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Andrew Skinner Ennals, esq.

Mr. Nicholas Coleman.

Mr. Joseph Foreman, Chestertown. Mr. William Fulton, junior.

Mr. Samuel Green, Annapolis.

Robert Goldsborough, efq. Talbotco. Robert Gilmore, efq. Mr. Peter Garts. Philip Graybell, efq. Mr. William Goddard.

William Hayward, efq. Talbot court house.
William Hammond, esq.
Zebulon Hollingsworth, esq. counfellor at law.
Mr. John Hammond.
Mr. Edward Halsey.
Captain William Howell.

Mr. Thomas Jones, Fredericktown.

John Kean, efq. Queen Anne's co. George P. Keeports, efq.

Pereg Lethrbury, esq. Chester town. Mr. Benjamin Laming.

James M'Henry, efq. L. L. D.
Samuel Magill, efq. Charles-township, Cecil county.
Dr. Ennals Martin, Talbot courthouse.
Mr. Daniel M'Curtin, Chester town.
Mr. James Rouere Morris, Snowhill.

Mr. Thomas M'Kimm. James M'Culloh, efq. Mr. Henry Miller.

Dr. John Neil, Snowhill.
William Neilfon, efq. Cecil Crofsroads.

Ifaac Perkins, efq. Kent co. Mr. Mark Pringle. Mr. Thomas Peters. William Patterfon, efq.

Dr. John Rofs. Mr. Walter Roe. Colonel Nicholas Rogers. Mr. Jofeph Rice. Thomas Ruffel, efq.

Major J. Swan. Samuel Smith, efq. Thorowgood Smith, efq. Mr. John Spear. Mr. Thomas Ufher. Stephen Wilfon, efq. General Otho H. Williams.

Virginia.

His Excellency GENERAL WASHINGTON, ESQ. L. L. D. late general and commander in chief of the armies of the united states of America, marshal of France, &c. &c. &c.

His excellency Edmond Randolph, efq. governor, and delegate to the late continental convention.

Hon. James Madison, esq. delegate to ditto, and to congress.

Hon. James M'Clurg, delegate to do. John Beckley, efq. clerk to the house of delegates, and delegate to faid convention.

John Hopkins, efq. continental trea-

furer, Richmond. Joseph Holmes, esq. Winchester. Mr. John Wharton, Accomack.

Captain Mafon, Alexandria.
William Holbourne, efg. Alexandria.
Meilrs. Cochran and Mitchell, Colchefter.

North Carolina.

Hon. Alexander Martin, late governor, and delegate to the late convention.

Hon. Richard Dobbs Spraight, efq. delegate to the late convention.

Hon. William R. Davie, esq. delegate to the late convention.

Colonel Robert Burton, member of the executive council.

Meffrs. Hodge and Blanchard, Newbern,

South Carolina,

Hon. brigadier general Charles Cotefworth Pinckney, delegate to the late continental convention.

David Ramfay, efq. member of the house of representatives.

Hon. Charles Pinckney, efq. delegate to the late continental convention.

Georgia. na William Few efa

Hon. William Few, efq. delegate to the late continental convention. Mr. Ifaac Briggs.

Kentucke.

Daniel Broadhead, efq. Mr. Thomas January.

EUROPE.

Dublin.

Mr. Hugh Holmes. Mr. Anthony Franklin. Mr. John Rice.

Mr. John Carey. Rev. James Carey. Thomas Bell, efq.

London.

Dr. Thomas Pole. Jeremiah Farrel, efq. L. L. D.

Paris.

Hon. Thomas Jefferson, esq. minifter plenipotentiary from the united states to the court of France. Monsieur Mallet du Par L'aise.

Milan.

Count Castiglioni.

Amsterdam.

M. de la Byrde.

THE ISLANDS.

New Providence.

Messrs. Peter Dean and co. Mr. John Wells.

Jeremiah Tinker, efq.

Madeira.

John Marsden Pintard, esq. commercial agent for the united states.

Tortola.

Captain Walter Sheen.

Trinidad.
Mr. Moses Young.

St. Croix.

Mr. Severin Erichson.

** In the foregoing lift, those gentlemen, whose places of residence are not mentioned, live in the capitals of the respective states.

PREFACE.

THE commencement of the third volume of this work, affords the printer a favourable opportunity, which he embraces with much fatisfaction, of returning his grateful acknowledgments to his numerous and respectable patrons, for the increased encouragement it has met with during the publication of the last volume. He draws from thence a flattering inference that his earnest endeavours to please, have not been unsuccessful.

At the instance of a number of subscribers, who suggested that a recapitulation of the most important events of each month would render the Museum much more satisfactory and useful, he added to the last volume a chronicle for the fix months of its publication. He has also given in the present number a copious detail of subsequent intelligence—which mode he means to pursue regularly henceforward. This, with the political and miscellaneous pieces contained in the work, will render it in some measure a history, or register of the times. Those, who by fituation or circumstances are precluded from an opportunity of inspecting the newspapers, will find this alteration attended with particular advantages; as they will be thereby enabled to take in at one view the transactions of each month: and it is too obvious to need comment, that monthly intelligencers compensate by authenticity, for what they want of novelty—as their editors may cull the grain of truth, from the chaff of rumour, hearsays, and lies, which inevitably occupy a large portion of all newspapers.

No collection has yet been made of the letters of commanders—the accounts of battles, &c .- in a word, of the mulifarious authentic state papers, published during the late war. These are scattered in perishable newspapers, or, by a few gentlemen of taste and public spirit, collected in their libraries, and, from the nature of things, must yearly diminish, thro' the various accidents to which fuch detached, unprotected pieces are ever liable. Posterity will lament the inattention of their ancestors on fo important a point—and the history of the most important revolution that ever took place, will probably in many places be involved in obfcurity, for want of papers at present little prized or regarded. For the prevention of this consequence, at least in part, the American Museum appears to be a repository well calculated. It was therefore the printer's intention to appropriate a reasonable portion of each number, beginning with the present, for the preservation of the kind of writings above specified, proceeding in chronological order; but on examination of his materials, he finds they are not adequate to the plan-and is therefore under the necessity of deferring this measure, until he can procure some further supplies, which, he hopes, will be in a few months, as feveral gentlemen, possessed of extensive collections of pamphlets, newspapers, and M. S. S. have kindly promifed him their affiftance.

In no part of the plan has he found the path fo thorny and difficult as with refpect to publications on that grand subject, the new constitution; the discussion of which has been attended with such heat and animosity as are to be regretted. Three modes of conduct successively suggested themselves, to each of which appeared forcible objections. The first was, to exclude all essays on both sides. This would have been pussilanimous, and debarred the work of one of its greatest advantages. The next was, to insert no pieces but such as, in his opinion, were on the right side of the question, i.e. in favour of the constitution. This would have extended the discretionary power, which the true and genuine liberty of the press, vests in a printer, to too great a degree, and, if justisfiable in one case, would be equally so in all, which would generate a most intolerable abuse—by making the printers despots—not legal rulers of the press.

The last mode, which is the one he has followed, was, to infert valuable pieces on each side, giving precedence to official, authenticated papers. This, he expected, would offend those zealots of both parties, who regard a difference in sentiment as an inexpiable crime. Nor has he been deceived. Such people have loudly complained*. But while he receives the approbation of the candid and the moderate, whom alone he is ambitious to please, he shall rest satisfied under the censures of the intemperate, the intriguing, and the violent.

He concludes with affuring his respected encouragers, that he no longer hopes for a continuance of their favours, than they shall find him endeavouring to merit them, by all the care and attention in his power to bestow.

* However fingular it may appear, it is not the less true, that he lost a few subscribers for having inserted the address of the minority of the state convention—and lost others, for inserting none but official pieces against the constitution, while he inserted anonymous ones in favour of it!—But the fable of the miller, his son, and his ass, has early taught him not to attempt, much less to expect, to please every reader.

AMERICAN MUSEUM,

For IANUARY 1788.

An oration, in commemoration of the independence of the united states of North America, delivered July 4, 1787, at the reformed calvingt church in Philadelphia, by James Campbell, efg. To which is pr. fixed an introductory prayer, by the rev. William Rogers, A. M. Published at the request of the Pennsylvania society of the Cincinnati.

Introductory prayer.

SUPREMELY great and infinitely glorious Lord our God! from everlasting to everlasting thou art the fame! unchangeable in thy nature, in thy word, and in all thy works! cloathed with light as with a garment, and with majetty as with a robe! who makeft the clouds thy chariot, and walkest upon the wings of the wind! pollefled of every adorable attribute and divine perfection.

We, thy unworthy but dependent children, affembled on this joyful occasion, humbly desire to approach the throne of thy grace, in and through the merit of thy coequal fon, our ever bleffed Savjour! for his fake, be pleased to pardon our manifold sins, and to blot out all our transgressions! justify our persons through Immanuel's righteousness, and sanctify our natures by the powerful influences of thy most holy spirit! may we wholly

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be devoted to thy fervice, and live

uniformly to thy praise!

With united hearts, and uplifted voices, we render unfeigned thanks to thy name, O thou fovereign Ruler of all worlds, for those numberless mercies wherewith we have been and continue to be vifited! we adore thee for thy creating power, preferving goodness, and redeeming love! fuffer us never to forget any of thy favours, as we are altogether undeferving, even of the least! particularly, O God! are the inhabitants of thefe states, on this day, under the strongest obligations to bless thy name, for that liberty, civil and religious, which they fo fully enjoy! we would join the general body, and afcribe praise and thanksgiving to thy adorable Majesty, for this auspicious anniverfary, a day long to be remembered by us and future generations! a day, whereon this extensive continent was, by the representatives of a numerous and oppressed people, declared free and independent!-Heaven approved the declaration, our arms were crowned with fuccefs, fweet peace hath vifited our borders, the foldier once more became the citizen; retiring, without regret, from stations of command, our military officers returned with chearfulness to the feveral duties of domestic and tranquil life! our ears are no more

pierced with the confused noise of war, our eyes are no longer pained with the horrid spectacle of garments roll'd in blood. While we thus thankfully acknowledge thy reiterated favours in our political hemisphere, we beg leave also to mention thy providential smiles in crowning the year with thy goodness, and eausing thy paths to drop satures; "Cur pastures are cloathed with slocks, our fields are covered over with corn and with wheat, our husbandmen shout for joy, yea they also

fing." That we may continue to enjoy thele important bleflings; be pleafed, O Lord, to vifit all the nations of the earth, and incline their hearts to peace and love; shower down upon them thy heavenly grace; may they know thee as the King of kings and Lord of lords! in an especial manner, do thou visit our land, graciously regard our country, protect and defend our infant, but hitherto highly-fa-voured empire, bless our congress, fmile upon each particular state of the union; may those who are in authority rule in thy fear, prove a terror to evil doers and a praise to them who do well! as this is a period, O Lord! big with events, impenetrable by any human ferutiny, we fervently recommend to thy fatherly notice that august body, assembled in this city, who compose our sederal convention; will it please thee, O thou eternal 1 am! to favour them from day to day with thy immediate prefence; be thou their wifdom and their strength! enable them to devise fuch measures as may prove happily instrumental for healing all divisions and promoting the good of the great whole; incline the hearts of all the people to receive with pleasure, combined with a determination to carry into execution, whatever these thy fervants may wifely recommend; that the united states of America may furnish the world with one example

of a free and permanent government. which shall be the result of human and mutual deliberation, and which fhall not, like all other governments. whether ancient or modern, fpring out of mere chance, or be established by force. May we triumph in the chearing prospect of being completely delivered from anarchy, and continue, under the influence of republican virtue, to partake of all the bleffings of cultivated and civilized fociety! in tender mercy blefs this commonwealth, the prefident, vice prefident, and supreme executive council, our legislative body, and the respective judicial departments!

Finally, we commend to thy paternal regard, all orders of men, all feminaries of ufeful learning, the ministers of thy gospel of every denomination, the church of Christ, and all for whom we ought to pray. With heart-felt gratitude we anticipate the glorious era, when instead of the thorn shall come up the fir tree, instead of the briar shall come up the myrtle tree, and wisdom and knowledge shall be the stability of the times, both in church and state.

Prepare us, O Lord, most holy! for every dispensation of thy righteous providence, for life, for death, for judgment, and the joys of paradise—Humbly intreating thy gracious affistance, in suitably discharging all those duties enjoined us by thy word, and enforced by thy authority, we close this, our solemn address, by saying, as our Lord and Saviour Jesus Christ has taught us—

Our Father, who art in heaven; hallowed be thy name. Thy kingdom come. Thy will be done on earth as it is in heaven. Give us this day our daily bread. And forgive us our trespasses, as we forgive them who trespass against us. And lead us not into temptation; but deliver us from evil. For thine is the kingdom, and the power, and the glory, for ever and ever. Amen.

DEDICATION.

To the bonourable Thomas McKean, eff. doctor of laws, and chief justice of the state of Pennsylvania.

Sir,

S a publication of the follow-I ing sheets is requested by a society, whose wish bears with me the weight of a command, permit me to beg that your name may accompany it. I am the more induced to make this request, as the distinguished share you have had in our national councils, the prefidency your important office gives you over almost every bleffing which freedom and independence can bestow; and your unremitted exertions, official and perfonal, in establishing that great event, to commemorate which was the defign of this performance, all join to defignate you the most proper person to whom I can look for patronage. Unaccustomed to write, and never having spoken publicly before, it was neither my object or expectation to rife to applause; my hopes were negative; and to escape censure is my utmost with. fentiments of the highest respect,

I have the honour to be, fir, your obedient humble fervant, JAMESCAMPBELL,

An oration, &c.

IT is so much a rule of modern declamation to make the exordium to consist of personal apology, that any departure from it might, I sear, be deemed a violation of that respect which is held to be due from a speaker to an audience; and indeed if there ever was propriety in the rule itself, or justice in the popular construction of its omission, I seel it to be at this very moment, when I have so much occasion to intreat, and you so much room to extend your indulgence, and when not to express, would be in some degree not to feel that deference which the presence of such an assembly can never fail to inspire.

Senible, then, as I am, of the difficulty of the talk which your partiality has commanded me to perform, and confcious of my inequality to difcharge it as I ought, I am left without an alternative but to make choice of a subject, which from the relation it bears to the purposes of your institution as well as the occasion we are now convened to commemorate, will in some degree insure to me that candour and attention which, were I to rest on any abstracted efforts of my own, must necessarily be withheld.

This subject, gentlemen, you will at once anticipate, in reflecting on the advantages which have resulted to mankind from the independence of America. A summary recital of those advantages will constitute the principal object of my present enqui-

ry and discussion.

Our petitions and remonstrances having been rejected, and infult being added to injury, it became at once effential to our fafety and freedom to burit the bonds of dependence and shake off the yoke of foreign legislation. It was this bold but necessary measure which gave us rank among nations. It was this that emancipated us from military law, and rescued us from all the horrors of flavery. Had not this act and the events which it drew after it, taken place, how very different at prefent would have been our fituation. place of contemplating the majesty of a free people, convened in awful fimplicity to confult their fafety and promote their happiness, we should have beheld the pomp and extravagance of royal governors trampling upon the facted rights of the people, and treating them in all their acts of power as if they were created only to minister to their pride or ambition.

The property of our merchants would have been held by a precarious tenure -our country would no longer have been cultivated by the proprietors and fovereigns of the foil-a farmer and a flave would have been fynonimous terms. If then, fuch would have been our fituation in a state of subjugation to Great Britain, how much have we gained by a fepara-tion from her! Welcome then the glorious anniversary of American independence—for ever welcome be the return of that day which made us citizens of a republic, and gave us a rank in the scale of being-highabove the subjects of a monarchy. To comprehend the dignity of a republican, turn to the page of history, and contemplate the different characters of the freemen of Greece and Rome, and the flaves of the Egyptian and Persian empires—or compare the speeches of a Cicero and a Cato with the servile addresses of the parafites who furrounded the thrones of the Roman emperors. But why should we travel back to antiquity for examples of the dignity of conduct and fentiment inspired by a republican form of government ?---we have beheld the citizens of the united flates raised by their personal interest in the government of their country to a pitch of glory which has excited the admiration of half the globe. was the spirit of republican liberty that animated the patriot in the cabinet, and supported the American soldier under all his fufferings in the field, during a long and arduous war. It is the same patriotic spirit which has convened the members of our federal convention, at the expence of private ease and fortune, to supply the defects of our confederation-to prop the tottering fabric of our union, and to lay the foundations of national fafety and happiness-Illustrious senate, to you your country looks with anxious expectation-on your decisions she restsconvinced that men who cut the cords of foreign legislation are competent to framing a fyilem of government which will embrace all interests, call forth our resources, and establish our credit :- But in every plan for improvement or reformation, may an attachment to the principles of our present government be the characteristic of an American, and may every proposition to add kingly power to our federal fystem be regarded as treason to the liberties of our country.

Another advantage derived from our independence confifts in the expansion it has given the human mind, and the new fields it has opened for enquiry, especially on the interesting fubjects of government. While only a third part of legislation was in our hands, it is not a subject of wonder that we were deficient in many of its principles; but fince all the powers of government have devolved upon us, how many proofs of knowledge have been given in this science-witness the wisdom and energy of many of our constitutions, and witness the literary productions of those illustrious civilians, Jefferson and Adams, whose works are not only calculated to inflruct their countrymen, but to enlighten Europe and posterity in the great science of social and political happiness; -nor have our studies and enquiries fince the declaration of independence been confined to government: science has flourished in all its branches—the American historian records the events of our revolution with classical elegance, and her poets celebrate in all the harmony of verse the glorious achievements of her

By a feparation from Britain we have increased our resources for knowledge:-Witness the numerous colleges, academies and literary focieties that have been established fince the peace throughout the union. These institutions, so fruitful of public and private happiness, have arisen entirely from a conviction that knowledge is essential to the preservation of a republican form of

government.

Our feparation from Great Britain has extended the empire of humanity: no longer shall the wretched African be toru from his peaceful habitation, to fertilize with his tears the foil of a people professing themselves advocates for universal freedom—the time is not far distant when our fifter states, in imitation of our example, shall change their vassals into subjects.

Our national independence has opened the avenues of commerce with every part of the world, and thereby not only lessened the price of our imports, but added to the value of our products. Nor is this the only advantage we have derived from the extension of our trade: It was not less the policy than the interest of Britain to instil into our minds national prejudices, and to teach us to regard all mankind, except Englishmen, as our enemies; but happily this prejudice is removed, and we now view the whole human race as members of one great and extensive family, however much they may be diffinguished from us by the circumstances of distance, colour, or religion. The Frenchman and the American (till lately confidered hereditary enemies) now embrace each other as children of the fame father—the European catholic and the American protestant review with equal horror the times when their ancestors embrued their hands in each others blood, and now join to cancel the remembrance of them in mutual acts of charity and benevolence. Nor has this intercourse been restricted to Europe: the inhabitants of China, Bengal, and the united states, have met together on the fands of India; and by the influence of commerce, have added the

ties of interest to the obligations of universal benevolence.

Another, and a principal advantage of our independence, refults from the material change it has wrought on the opinions, conduct, and government of the European nations. It was by contemplating our independence that France has become the land of free enquiry and general toleration. Germany, from the fame cause, has shaken off an immense load of religious prejudice and bigotry. Spain has caught our spirit of enterprise and innovation; and even Britain herself has been taught, by our successful struggle, to relax in her syttem of general subjugation : hence Ireland enjoys what she had long demanded in vain-an exercise of her natural rights to commerce, liberty, and independence. Propitious era! happy event! which has foftened the rigours of tyranny, and taught even kings to revere the great

laws of justice and equity.

Thus have I endeavoured to point out some of the principal benefits of American independence: but methinks, I am asked, why do we hear of fuch universal discontents throughout the continent? why does the farmer languish beneath the weight of taxes, and the merchant complain of the decay of trade? why are the bands of our federal government fo weak, and our credit and character the sport of foreign nations? these things, however true, do not militate with any proposition I have advanced. Where is the nation that ever became fuddenly wife, great and respectable? history answers, none. Greece boasted her Amphyclion, her Solon, and Lycurgus, and yet we find her approaches to order less rapid than ours. Rome had a Romulus, to frame her constitution; and yet, while she conquered the world, there subsisted within her walls a civil war. The feditions of the

Gracchi were more fanguinary, and not less threatening, than any we have felt. View Cæsar first defending, and then endeavouring to fubyert the conflitution of his country. Exult that the leader of our legions had nobler objects in view than a feeptre or a diadem. Though Russia is now a great and happy nation, though the holds in one hand the fcourge of the Turk, and the balance of Europe in the other, yet the banks of the Neisler and the Larga will witness that her road to empire and order has been flow and difficult. Holland did not, until after forty years struggle, attain to independence; and frequent diforders fince, have taught her that national stability is of flow growth. And how often has the British throne shook to its centre, before she arrived at her present fituation! Her history is chequered from the conquest by Cæfar, to the prefent day. king exiled, another beheaded; now 2 republic, and then a monarchy; this reign drained of men and treafure by an ambitious prince, fmitten with a rage for foreign conquest; the next streaming with the blood of her fons, probed in every vein, by the dagger of domestic faction; the fields of Hastings and of Bosworth lay on the road to her present order. Rebellion has more than once stalked at large through the land; their government has been infulted by a Monmouth, and trampled on by a Cromwell. And shall we, who have but just become a nation, expect to meet with nothing but tranquility and order? To establish a new form of government, to eradicate ancient prejudices, to remove the effects of a war, began with the fanctions of authority, and conducted chiefly by voluntary affociation, and to unite opinions and habits with new fituations, must be the work of time. Our conflitutions were made upon

the four of the occasion, with a bayonet at our breafts, and in the infancy of our knowledge of government and its principles; it is not, therefore, matter of furprise that they are not more perfect, or more generally accommodated to the temper of our citizens. The diffresses, of which we complain, are wholly artificial; an anti-republican passion for foreign luxuries has exhausted our country of its gold and filver; a rage for paper money has checked credit, locked up the remains of our specie, substituted fpeculation for labour, and taught us to prey upon one another. The feed of independence, like many other feeds, may, for a while, disappear; but it will yet spring and flourish with strength and beauty: like the venerable oak, it may probably require centuries to grow, in order to be centuries in flourishing, and centuries in decaying. How fallen would be the character we have acquired in the establishment of our liberties, if we discover inability to form a fuitable government to preferve them? Is the science of government fo difficult, that we have not men among us, capable of unfolding its mytteries, and binding our states together by mutual interests and obligations? or is knowledge in legislation confined to kings and ministers? There was a time when these questions would have kindled rage and refentment in every American bosom.

Let us for a moment compare the prefent fituation of America with what it was in 1775: fhe was then without force, without union, without an ally, and Great Britain was her enemy; and yet, under all these disadvantages, she rose to glory and independence. At present, she is at peace with the whole world; France, the most powerful nation in Europe, is her faithful ally; she is in possession of eleven years experience in government; she is united in her

objects: has, almost, no army to maintain, no enemy to oppose; who then, but a willing infidel, can doubt her future greatness? But our present situation is still more strongly contrasted by the gloom of 1779 -distracted in our councils, our money hastening to extinction, our army on the eve of diffolution, and a powerful enemy in the bowels of our country; yet we furmounted these difficulties, and triumphed in the peace of 1783. There are clouds and storms in the political as well as the natural hemisphere; to weak and timid minds only are they big with terror; the true politician views them as the means of purifying the political atmosphere, and promoting the growth and stability of government. These, gentlemen of the society, are, I am fure, your fentiments. It was to perpetuate the remembrance of events immediately connected with the day, of which this is the anniversary, that we united; it is to transmit to posterity the principles of that day we continue our affociation; and although we have sheathed our fwords, and gone back to the pursuits of private life, it remains for us to remember, that the fame exertions may be neceffary to defend and preferve, which were fo fuccefsfully employed in eftablishing our independence and peace; and that as foldiers of a republic, our work is incomplete, while national dangers exist on any quarter. cafting my eye back upon the scenes of danger and diffress out of which our fociety grew, I am infenfibly led to pay a tribute of respect to the memory of such as fealed their attachment to the liberties of our country with their lives. Though, scattered from the plains of Abraham to the fands of Georgia, no monument be raifed to point their reliques to the passing stranger, yet laurels shall bloom around their graves, and while gratitade or justice shall rule the remembrance of human action, the brilliant story of their fame will retain its lustre, and pass to posterity in the full splendor of glory.

To detail their feveral merits, would exhaust eulogium, and far transcends my powers of panegyric. It will not, however, be deemed a trespass on your indulgence, should I offer the tribute of acknowledgment to an individual, whose worth will for ever endear his memory to our country. This is not the partial praise of professional predilection; it is a sentiment to which, I am perfuaded, my audience will grant a grateful assent, when informed that it refers to that distinguished citizen and foldier, general Greene.

Great in the beneficent arts of peace, he was the hope of his country, and unfurpassed in the active operations of war, he has been justly styled, "her sword, and the keen avenger of her wrongs." With a mind to counsel, and an arm to execute the greatest purposes of public determination, he united a heart, honest in all its intentions, and firmly prepared to sustain the rudest reverse of fortune.

When disciplined valour had defeated our troops, and desolation marched in the train of war—when the sword had thinned our broken ranks, and dismay distracted the civil authority—when conquest and confidence were opposed to deseat and despondency—in this dark criss of somethern disaster, was he called on to stem the torrent of victory, and avert the horrors of impending subjugation.

With prompt obedience to the orders of his illustrious chief, he hastens to execute the duties of his appointment, and at the head of an enfeebled, though gallant army, he displays a conduct confummate in all its objects; supported by a courage ardens as the sword he drew, removing alarms and restoring confidence, he grafts an

emboldened militia on the stump of al at war-wasted corps, whose braverv, under every pressure of adverse fortune, had firmly upheld the standard of freedom; with these, he advanced to meet an enemy elate with conquest, and affured of success.

Discipline having resumed its station in our ranks, the aftonished Briton is taught to respect the foe he so lately despised, and his predatory bands, rettrained to operations collective force, no longer defolate

our guarded fields.

The exiled inhabitants return to their deferted dwellings, and feparated kindred again enjoy the blifsful ficiety of domestic peace. anxious father revisits his distressed family, and, permitted in quiet to make provision for their support, he returns with zeal and ardour to the fervice of his country; private happiness is improved into general welfare; the husbandman, assured of the advantages which must result from the guidance of fuch a leader, mingles with alacrity in the ranks of war, and braves with ardour, every danger of the field; vigilance increases to enterprize, and resistance is roused to retaliation; invasion is changed in its courfe, and rushes with impetuous recoil in an opposite direction; detachments captured, and garrisons reduced, announce its rapid approach, and urge retreat to the Briton, as the last refuge from its fury; impressed with the conviction of Eutaw, he feeks shelter within his entrenchments, nor longer dares an opposition in the field. attentive to the duties of citizenship, as ardent in the accomplishment of his military pursuits, the gallant Greene devotes his talents and his leifure to the restoration of tranquility, and the maintenance of civil privilege; his conquering troops indulge not in excess, nor riot in the peasant's toil; contented to share with their chief in the scanty allow-

ance of the camp, victory brings no other benefit to them than the reflection, that they had done their duty. Such, my fellow citizens, was the hero, whose actions will be admired while patriotifm and military worth preferve their rank in human estimation, and whose fervices entitle him to the eternal gratitude of America. If fuch was the chief, appointed to conduct the momentous duties of that dangerous department, how much to be admired is that wisdom, whose early penetration directed to the choice, and whose friendship maintained, through every change of fortune, an unshaken affection and esteem! The presence of that great character forbids encomium, and the remembrance of his merit is too deeply engraven ever to be effaced.

Placing, then, a proper value on the bleffings which the efforts of fuch illustrious citizens have procured, our counfellors have not planned the happiness of their country without effect, nor have the martyrs of freedom bled in vain. No, my fellow citizens, from their ashes, enriched by their blood, the tree of liberty shall yet grow and flourish among us. Methinks I already see a stately fabric of a free and vigorous government rifing out of the wifdom of the federal convention. I behold order and contentment pervading every part of the united states; our forests falling before the hand of labour; our fields doubling their increase, from the effects of well-directed industry; our villages enlivened by ufeful manufactures, and our citizens thriving under foreign and domestic commerce. I behold millions of freemen, covering the shores of our rivers and lakes with all the arts and enjoyments of civilized life, and on the anniversary of this day, 1887, shouting forth the praises of the heroes and patriots, who, in 17-6, fecured and extended to them all their happiness.

An address delivered in the young ladies' academy, at Philadelphia, on February 8th, 1787, at the close of a public examination. By the rev. Samuel Magaw, D. D. rector of St. Paul's church, and vice-provost of the university of Pennsylvania.—
Published by desire of the visitors of said academy.

HAVING stepped in on this agreeable occasion, may I be permitted to yield, for a few moments, to the impulse which I feel upon my mind? It is the impulse of complacency, combined with a desire to follow you, honoured citizens, in bearing the testimony due to this rising institution.

Education is unquestionably, a matter of very great importance in human fociety. It is the groundwork on which the temple of happiness may rise—well proportioned,

beautiful, and lasting.

A judicious and liberal care, however, is requisite, with regard to the objects of education; the time of life most proper for it; and the manner in which it ought to be conducted.

I beg leave to hazard a few thoughts, which have, chiefly, a re-

lation to the first particular.

Here, we have, generally, been deficient, and too confined. It is eafy to difcern, in what respect.-Schools and academies there are, intended for training up boys, and young gentlemen, in fundry branches of useful learning: but female instruction hath been left, as it were, to chance; or conducted very little farther than through the lowest forms. As if of trivial moment, no great deal hath been faid about it; and still less accomplished. Seldom hath it called forth more than fome scattered vague remarks, and ineffective, spiritless endeavours.

It merits more attention than this.

Vol. III, No. I.

An infpired writer, expressing the felicity of having well instructed sons, by the beautiful metaphor of "plants grown up in their youth;" connects therewith, the elegance and grace of "our daughters, polished after the similitude of a palace."

That female minds are capable of great improvement, will certainly be allowed. The benefit and fatisfaction that must arise from such improvement, are obvious to all. There is but little reasoning then necessary to shew, that this amiable part of our charge had best receive tuition in feminaries appropriated to themselves. In these, their innocence and delicacy can more easily be protected; their conversation, manners, and address more perfectly attended to; and each congenial circumstance made to operate in leading them to excellence.

I am aware of the objections that have been made against public seminaries for young ladies. Vanity and vice, it is said, are apt to be introduced by some, where there is a great number, and the contagion soon spreads. Private tuition, it is alleged, is the most proper for pupils

of this fex.

It is possible there may be instances to countenance this objection: yet it holds not true, indifcriminately. Indeed, when daughters are fent from home, to board-the tender guidance of a fensible mother being in a manner fuspended, and the father's guardianship quite ceasing for a time—there is some room for apprehending danger, notwithstanding all the caution that can be exercised. But the feminaries which we have in our view, are less exposed to hazards of this fort. The young persons, upon our plan, are not to be thrown at a distance from the paternal eye, nor separated from a mother's sweet We deem both essential, attentions. where they can be enjoyed: and neither are superseded in the least. suppose also these seminaries to be

well constituted, and managed with

prudence and ability.

As to private tuition, I allow it all the reasonable praise its advocates could desire. But, considering circumstances in general—and that the literary instruction of females must be conducted almost in the same way with that of boys; the private method will be often found impracticable, and very feldom competent, of itself, to the end proposed.

In few places—almost in none, till lately—hath there been any respectable institution for the express purpose of educating young ladies. There hath not been one, holding forth a system that can be thoroughly approved; or carrying into practice ideas which comport with the dignity of the object. There might be many such: and they would, in every possible view, deserve the attention and encouragement of all who wish well to the prosperity of their country;—we may say, to the selicity of the world.

Our object here is not excessive refinement, or deep erudition; but fuch culture, in the first instance, as no woman, whatever her condition and expectations are, can conveniently be without. And then, such farther progress as the taste and for-

tunes of fome may require.

It is by no means necessary that every woman should have a classical education, even with respect to her own tongue; nor that any should proceed in one literary branch, or another, farther than what prudence and, ceconomy recommend. But, unquestionably, all, of every description, should learn to read correctly. All should be taught to write tolerably well. All should be instructed to manage common numbers, and to keep plain accounts. All should be formed to the habits of obedience, and a placid graceful attention to whatever duty they may be concerned in.

Now, in the infitutions which I wish may be patronized, these essential parts at least, of semale education, will become more generally understood, than they were formerly. Almost every one may rise to a degree of consideration herein, that people had scarcely any conception of before.

In such institutions, more effectually than any where else, may be acquired an accurate acquaintance with the vernacular language—its elements, orthography, idioms, and construction: the result of which will be, a copiousness—dignity—force—and beauty, in writing, as well as in conversation, which most women are certainly as capable of, as the men; but, for want of opportunity, so few of either sex attain.

Besides reading with propriety and grace, that charming accomplishment-how generally would they write a beautiful, easy hand, and gain facility in arithmetic!-How common would it be, to understand the use of the globes—the most pleasing and necessary parts of geography and history ;-drawing-musicpfalmody :- while many, whose genius, and fituation in life, might render it adviseable, would, at a proper feafon, make advances in the belles lettres; and others reach, with fuccels, after the garland of philosophy.

—And all along, let the fair pupil's range in the field of learning, be either more, or less extensive—she will be taught, above all things, to have this truth in constant view, that the knowledge of her Creator is wisdom pre-eminent; and the ornaments of a meek and quiet spirit, are the first-rate accomplishments under

heaven.

Now, any exposulations that might be used on account of past omissions—or the reasonings that might be adduced by one speaking on this subject, are superseded, I trust,

in Philadelphia, by the actual eftablishment of an academy, such as meets our ideas, and accords with our wishes—an academy, which, from its having the countenance of so many respectable characters—I readily suppose, will enlarge its system yet farther, and spread extensively its

goodly influences. Here then I hold; fenfible that it is unnecessary in this place, to dwell longer on the confideration first intimated: or even to touch, a moment, on the other two particulars, "the time of life most proper for education;" and " the manner of conducting it;" circumstances, which the good fense of the parents, whose daughters feek instruction early within these walls—the skill of the principal, and the attention of the vifitors, amply provide for, and infure in the manner that every well-informed mind would defire.

All that I have to do on these topics, is, with cordiality, to congratulate the respectable parents and guardians of these amiable young persons; and you, worthy fir*, under whose special care they are placed, and every one who affists you in this excellent work, particularly the gentleman + to whom this city is greatly indebted, for his instructions in that delightful art, which heightens so much the beauty of social worship.

Sirs! may the proficiency of this your happy charge, in learning, and in "whatfoever things are lovely," amply fulfil your wifnes, and reward your pains!

"Delightful task! to rear the tender thought,

To teach the fair idea how to shoot; To breathe th' enliv'ning spirit, and to

The gen'rous purpose in the glowing breast."

NOTES.

And now, young ladies! as far as you have proceeded, you have acquitted yourselves well. The smile of general approbation is yours: and the particular, well-earned, sweet regards of those with whom you are, each, more intimately connected, are yours.

We think we have indubitable proofs, in the specimens you have already given, of your abilities, and your delight in learning. A union like this promises much suture excellence. You will consider duly your present advantages, and keep in constant view what is expected of

To rise to eminence, requires continued, as well as early, diligence.

While you frequent this feminary, let it be with a chearful elevated endeavour to gain as much improvement as possible: and let your end in acquiring knowledge, be, that you may be eminently good, and eminently useful.

You will be amiably respectful to your instructors: peculiarly decent and friendly to one another; perfectly inosfensive, courteous, and obliging to all. The law of kindness must dwell upon your tongues. Good will, and peace, and humbleness of mind, must every where attend you.

Thus growing in wisdom, as you grow in stature, and possessing those qualities which concentrate in worth and loveliness, you will become (what I look upon to be but very little lower than the angels) fensible, virtuous, sweet-tempered women.

But, highly effeemed daughters! there is a confideration which I have, all along, fupposed to accompany your improvements, and to shed around them glory, without which, indeed, they would all be unprositable; I mean, that in the light and love of God alone, your nature can be happy.

I barely subjoin a thought in rela-

^{*} Mr. Brown.

⁺ Mr. Adgate.

tion to this; it may give a better feafoning to the fentiments

ceding.

That light and love must come to you, and to us all, thro' the Son of God. He is the great master, whose school you must especially atend. In the midst of all your studies, and in all your ways, be learning of him. He gives you redemption. He reconciles you to his Father. He teaches you to be pure, unblameable, and perfect. He will open a heaven of ferenity within you; restoring all the honours of innocence, and the rights of immortality.



New method of placing a meridian mark, in a letter to the rev. dr. Ewing, prowost of the university of Pennsylvania. By David Rittenhouse, efq.

Dear fir,

COME time ago I mentioned to you a new invention I had for fixing a meridian mark for my observatory. This I have fince executed, and as it answers perfectly well, I shall give you a particular descrip-

tion of it.

When my observatory was first erected, I placed a meridian mark to the northward, at the distance of about 1200 feet, my view to the fouth being too much confined by adjacent buildings, and that to the north was not diftant enough to have the mark free from a fentible parallax. But last summer a new brick house was built directly north of the observatory, and much too nigh for distant vision with the transit instru-Now, though a fixed mark is not absolutely necessary where you have a good transit instrument, the position of which may be examined and accurately corrected, if necessary, every fair day, by the passage of the pole star above and below the pole, it is nevertheless very convenient, saves much trouble, and may fometimes prevent mistakes. 'We have an instance in the observations of the astronomer royal at Greenwich. mark being taken down at repairing the building to which it was fecured, the transit instrument was accidentally thrown out of its true position, and the observations with it were continued for a confiderable time before the error was detected. My meridian mark being thus rendered uselefs, I contrived feveral other methods of fupplying its place, all of which were, on fufficient deliberation, re-

jected for the following.

I fastened the object glass of a thirty-fix feet telescope, firmly, to the wall which supports the transit instrument, opposite to and as near as convenient to the object glass of the transit, when brought to a horizontal fituation. In the focus of the thirty-fix feet object glass, I screwed fast a piece of brass to a block of marble, supported by a brick pillar built on a good foundation, for this purpose, in my garden. On this piece of brass are several black concentric circles; the rest of the plate is filvered. The diverging rays of light which proceed from every point in these circles, after passing through the thirty-fix feet glass, become parallel, and entering the transit instru-ment, an image of the plate and its circles is formed in the fame place where the images of stars or the most distant objects are formed. The circles are, therefore, distinctly seen through the transit, and being placed in the fame meridian with the centre of the thirty-fix feet glass, the innermost circle, about the fize of a brevier o, ferves for a meridian mark, to the centre whereof the cross hair of the transit, may be nicely adjusted.

This mark is in feveral respects preferable to one placed in the common way. It is entirely free from

parallax, which the other cannot be, unless placed at a very great distance, when glasses of great magnifying powers are used. It is not sensibly affected by the undulation of the air, which very often renders it impossible to set the transit accurately to a distant mark. And it can be illuminated at night without difficulty, should the suspection of any accident to the transit make it necessary. But it has likewise one disadvantage.—Should the pillar, in settling, carry the mark a little to the east or west, the error will be greater in proportion to its nearness.

I am, dear fir, your humble servant,

DAVID RITTENHOUSE,

P. S. The great improvement of object glasses, by Dolland, has enabled us to apply eye glaffes of fo fhort a focus, that it is difficult to find any Substance proper for the cross hairs of fixed instruments. For some years past, I have used a single filament of filk, without knowing that the fame was made use of by the European astronomers, as I have lately found it is by mr. Herschell. But this fubstance, though far better than wires or hairs of any kind, is still much too coarse for some observations. fingle filament of filk will totally obscure a small star, and that for several feconds of time, if the star be near the pole. I have lately with no fmall difficulty, placed the thread of a spider in some of my instruments; it has a beautiful effect; it is not one tenth of the fize of the thread of the filk-worm, and is rounder and more evenly of a thickness. I have hitherto found no inconvenience from the use of it, and believe it will be lasting, it being more than four months fince I first put it in my transit telescope, and it continues fully extended, and free from knots or particles of dust.

Extract of a letter from the rew Jeremy Belknap, containing observations on the aurora borealis.

Dover, (N. H.) March 31, 1783.

ID you ever, in observing the aurora borealis, perceive a found? I own, I once looked on the idea as frivolous and chimerical, having heard it at first from persons whose credulity, I supposed, exceeded their judgment; but, from hearing it repeatedly, and from fome others whom I thought judicious and curious, I began to entertain an opinion in favour of it. I was strengthened in this opinion about two years ago, by listening with attention to the flashing of a luminous arch, which appeared in a calm frosty night, when I thought I heard a faint rustling noise, like the brushing of filk. Last Saturday evening I had full auricular demonstration of the reality of this phenomenon. About ten o'clock the hemisphere was all in a glow; the vapours ascended from all points, and met in a central one in the zenith. All the difference between the fouth and north part of the heavens. was, that the vapour did not begin to afcend fo near the horizon in the fouth as in the north. There had been a small shower, with a few thunder claps, and a bright rainbow in the afternoon; and there was a gentle western breeze in the evening, which came in flaws, with intervals of two or three minutes. In these intervals I could plainly perceive the ruftling noife, which was eafily diftinguishable from the found of the wind, and could not be heard till the flaw had fubfided. The flashing of the vapour was extremely quick; whether accelerated by the wind I cannot fay; but from that quarter where the greatest quantity of the vapour feemed to be in motion, the found was plainest; and this, during my observation, was the eastern,

The fcene lasted about half an hour, though the whole night was as light as when the moon is in the quarters.

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Letter from J. Madison, esq. to D. Rittenbouse, esq. containing experiments and observations upon what are commonly called the sweet springs, in Virginia.

HESE waters rife on the north fide of a large moun-tain, at the foot of it, called the fweet fpring mountain, in the county of Botetourt. The fouth fide is covered with stones of an ocrous appearance. In many places iron ore may be found; but on the north, the mountain is fertile, covered with a rich mould, at least near the fpring. The remarkable efficaey of these waters, in many disorders, especially, it is faid, in confumptive complaints, first induced me to attempt their analysis. Such experiments as I had time and opportunity to make, I shall faithfully relate, and leave it to others, better qualified than myself, to judge of their merits.

Experiment 1. Having plunged a very fensible mercurial thermometer in the spring, it stood at 73°. The temperature of air was about

60.

2. A good hydrometer funk one twentieth of an inch deeper in common mountain water, than in the

fpring.

3. Nut galls mixed with the water in a wine-glass, struck a palish brown, which shewed that there

was little or no iron in it.

4. Violets mixed with the water in a wine-glass, turned it, in a short time, of a reddish colour. This was a proof that the waters contained some kind of acid.

- 5. Having made a folution of filver in the nitrous acid, and mixed a little of it with the water, it immediately became milky, and a white pulvurent precipitate enfued. This experiment shewed by the whiteness of the precipitate, that the waters contained nothing sulphureous, and by the pulvurency of the precipitate, that the acid contained in the waters was vitriolic.
- 6. A folution of lead in the nitrous acid being mixed with the water, it became fomewhat milky, and a white precipitate was observed. This experiment also shews, that the waters contain an acid, most probably the vitriolic, and also that they contain calcareous earth. Soap is not readily miscible with them.
- 7. A folution of faccharum faturni in the nitrous acid being made, and lines marked upon paper with it, and placed over the water, the lines retained their former colour. This experiment also shews that the water contains nothing fulphureous.

8. Having poured a little of the spirit of salt into the water, after some time a coloured precipitate was observed; but as the waters did not strike a green or blue colour, it shewed that there was no copper in

them.

9. A folution of vitriol of copper mixed with the water, produced a thick, green, curdly appearance, but did not become bluer. This experiment shewed that there was no vol. alkali contained in them.

vith the water, fuddenly effervefeed, and produced a heat which raifed the thermometer from 75 to 83, by applying the bulb to the outfide of the glafs.

II. As the spring is continually

discharging large bubbles of air, which rifing from the bottom break upon the furface of the water, I was defirous of making fome experiments upon the air, in order to determine whether the acidity of the water might not be owing to it; and also to determine the nature of the air, whether fixed or not. Having, therefore, caught a quantity of the air in a decanter, I communicated a part of it to an equal bulk of pure mountain water, and after agitating them for some time, gave it to several to taste; who agreed that it had the talle of the spring water. Upon a second trial, this experiment did not fucceed. I had not an opportunity of trying the nature of the air by means of chalk-water, and was prevented from profecuting any further enquiries into the nature of these celebrated waters, by a fudden alarm, to which the frontiers were then continually exposed.

These waters have been falsely called sweet; for their taste is evidently aciduleus. The experiments also shew that they contain an acid. Their tafte refembles exactly that of waters artificially impregnated with fixed air, extricated from chalk, by means of the vitriolic acid, and I conceive must be nearly the same with the true Pyrmont water. They have little or no fmell, do not form any incrustation, nor do they leave a deposit upon standing many hours. Upon bath. ing in the morning, the skin has a foapy kind of feel. This was not

observed in the evening.
Thereis, near this spring, another,

a very strong chalybeate.

I am, with great regard, yours,

J. MADISON.

On musical pretenders.

To the editor.
Timotheus, with his breathing finte or
founding lyre,
Could fwell the foul to rage, or kindle
foft defire.

Sir,

WAS led the other day by a friend to a concert of music, in expectation of being enraptured, as he was pleafed to call it, by the performance of many excellent makers. I am indeed a lover of music, but unhappily no connoisseur; I imagined I should be entertained with some of the works of Corelli, Handel, Geminiani, or the like; but alas, fir, after a good old overture which I thought tolerably well performed, when my expectations were raifed very high, up starts Signor Sombodini (a name Italianized, which I do not remember) to play a folo on the violoncello, which used to be known by the name of a bass-fiddle not half a century ago: he had indeed one part of 'Timotheus's skill;-he did not a little enrage many besides me, by producing some of his own composition, which, after Handel's, was nearly fimilar to a low farce after a fine tragedy; his performance, which a fat gentlewoman, who fat next to me, told me, I should call his execution, was very good; but I never knew, till some of the connoisseurs informed me, that music was only intended for vile scrapers to make mineed meat of-to shew-what? why truly, their execution:-I had almost faid, would they were all executed, connoisseurs and all. In the name of wonder, have we not folos of Corelli, Geminiani, and many other great masters, that every sidler must be perking his own wretched compositions in our face? A gentleman was observing, that on all bass instruments the movements ought to be flow and folemn, and that they ne-

ver were intended for jigs, &c. to which a personage of a very formal aspect made answer, in a kind of German English, "Sir, you know very little about the matter; that might be the case in Corelli's time, but now we have learned better things: in his time it was thought wonderful if a performer on the violin could reach E in alt (I think that was the expression) but now we make nothing of going close up to the bridge." I did not doubt but the person must be a very great persormer, who knew fo much better than Corelli, and being told that he was immediately to give a specimen, I was all expectation; when behold mynheer mounted the rostrum, or what elfe you please to call it, and indeed he did get up to the bridge, as he had promifed : but (would you believe it?) he could not find the way down again, till during a great applause, raised by some of his admirers, he wisely threw himself down head-long; and upon my word I wished he had broke his neck—I mean mufically, not mischievously for he only intended to shew his own execution.

I always understood, till lately, that music, I mean composition, was a very difficult affair; but was greatly surprised to find, that every spark that has just learned the gamut on the fiddle or German flute, composes his own folos, trios, &c. &c. with the greatest facility; and I do not doubt can get up to the bridge much better than Corelli ever could, and come down again, like mynheer, in a masterly manner.

I am, fir,

yours, &c.

TIMOTHY PHRAM.

Philadelphia, May 6, 1787.

An address of his excellency governor Trumbull, to the general affembly and the freemen of the state of Connecticut, with the resolution of the legislature, in consequence thereof.

To the honourable the council and house of representatives, in general court affembled, October 1783.

Gentlemen.

A Few days will bring me to the anniversary of my birth; seventy three years of my life will then be completed; and next May, fifty one years will have passed, fince I was first honoured with the confidence of the people in a public character. During this period, in different capacities, it has been my lot to be called to public fervice, almost without interruption. Fourteen years I have had the honour to fill the chief feat of government. what carefulness, with what zeal and attention to your welfare, I have discharged the duties of my several stations, some few of you, of equal age with myfelf, can witness for me from the beginning. During the last period, none of you are ignorant of the manner in which my public life has been occupied!—the watchful cares and folicitudes of an eight years diftreffing and unufual war, have also fallen to my share, and have employed many anxious moments of my latest time; which have been chearfully devoted to the welfare of my country, Happy am I to find, that all these cares, anxieties, and folicitudes are amply compensated by the noble prospect which now opens to my fellow citizens, of a happy establishment (if we are but wife to improve the precious opportunity) in peace, tranquility, and national independence. With fincere and lively gratitude to Almighty God, our great protector and deliverer, and with most hearty congratulations to all our citizens, I felicitate you, gentlemen, the other freemen, and all the good people of the state, in this glorious prospect.

Impressed with these sentiments of gratitude and felicitation-reviewing the long course of years, in which, through various events, I have had the pleasure to serve the state-contemplating, with pleafing wonder and fatisfaction, at the close of an arduous conteit, the noble and enlarged feenes, which now present themselves to my country's viewand reflecting, at the fame time, on my advanced stage of life-a life, worn out almost in the constant duties of office, I think it my duty to retire from the bufy concerns of public affairs: that at the evening of my days. I may sweeten their decline, by devoting myself with less avocation, and more attention, to the dutics of religion, the fervice of my God, and preparation for a future and happier state of existence-in which pleasing employment, I shall not ccase to remember my country, and to make it my ardent prayer, that heaven will not fail to bless her with its choicest favours.

At this auspicious moment, therefore, of my country's happinesswhen she has just reached the goal of her wishes, and obtained the object, for which the has fo long contended, and fo nobly struggled, I have to request the favour from you, gentlemen, and through you, from all the freemen of the flate, that after May next, I may be excused from any further fervice in public life, and that, from this time, I may be no longer confidered as an object of your fuffrages for any public employment in the state. The reasonableness of my request, I am persuaded, will be questioned by no one. The length of time I have devoted to their fervice, with my declining state of vigour and activity, will, I please myfelf, form for me, a fufficient and Vol. III. No. I.

unfailing excuse with my fellow citizens.

At this parting address, you will fuffer me, gentlemen, to thank you, and all the worthy members of preceding affemblies, with whom I have had the honour to act, for all that affiftance, council, aid, and fupport, which I have ever experienced during my administration in government; and in the warmth of gratitude, to affure you, that, till my latest moments, all your kindness to me thall be remembered:-and that my constant prayer shall be employed with heaven, to invoke the divine guidance and direction in your future councils and government.

Age and experience dicate to me -and the zeal with which I have been known to ferve the public through a long course of years, will, I trust, recommend to the attention of the people, some few thoughts which I shall offer to their confideration on this occasion, as my last ad-

vifory legacy.

I would in the first place, intreat my countrymen, as they value their own internal welfare and the good of posterity, that they maintain inviolate, by a strict adherence to its original principles, the happy constitution under which we have so long subsisted as a corporation; that for the purposes of national happiness and glory, they will support and strengthen the federal union by every constitutional means in their power. The existence of a congress, velled with powers competent to the great national purposes for which that body was instituted, is effential to our national fecurity, establishment and independence. Whether congress is already vested with such powers, is a question, worthy, in my opinion, of the most serious, candid and dispasfionate confideration of this legiflature, and those of all the other confederated states. For my own part, I do not helitate to pronounce, that in

my opinion, that body is not possessed of those powers which are fully adequate to the purpofes of our general fovereignty; nor competent to that energy and exertion of government, which are absolutely necessary to the management and direction of the general weal; or the fulfilment of our own expectations. This defect in our federal constitution, I have already lamented as the cause of many inconveniencies which we have experienced; and unless wifely remedied, will, I foresee, be productive of evils, difastrous, if not fatal, to our future union and confederation. In my idea, a congress invested with full and sufficient authorities, is as absolutely necessary for the great purposes of our confederated union, as your legislature is for the support of internal order, regulation and government, in the state. Both bodies should be entrusted with powers fully fufficient to answer the defign of their several institutions. Their powers should be distinct; they should be clearly defined, aftertained and understood. They should be carefully adhered to; they should be watched over with a wakeful and distinguishing attention of the people. But this watchfulness is far different from that excess of jealousy, which, from a miltaken fear of abuse, withholds the necessary powers, and denies the means which are effential to the end expected. Just as ridiculous is this latter disposition, as would be the practice of a farmer, who should deprive his labouring man of the tools necessary for his bufiness, lest he should hurt himself, or injure his employer, and yet expects his work to be accomplished. kind of excessive jealousy is, in my view, too prevalent at this day; and will, I fear, if not abated, prove a principal means of preventing the enjoyment of our national indepen-dence and glory, in that extent and perfection, which the afpect of our

affairs (were we to be wife) so pleafingly promises to us. My countrymen! fuffer me to ask, who are objects of this jealoufy? who, my fellow citizens, are the men we have to fear? not strangers, who have no connection with our welfare ?-no! -they are the men of our own choice, from among ourselves:-a choice (if we are faithful to ourfelves) dictated by the most perfect freedom of election; and that election repeated as often as you can wish, or is consistent with the good of the people. They are our brethren—acting for themfelves as well as for us-and fharers with us in all the general burdens and benefits. They are menwho from interest, affection and every focial tie, have the fame attachment to our constitution and government as ourfelves :- why, therefore, should we fear them, with this unreasonable jealousy?-In our present temper of mind, are we not rather to fear ourselves? to fear the propriety of our own elections? or rather to fear, that from this excess of jealousy and mistrust, each one, cautious of his neighbour's love of power, and fearing lest if he be trusted, he would misuse it, we shall lose all confidence and government, and every thing tend to anarchy and confusion? from whose horrid womb, should we plunge into it, will fpring a government, that may justly make us all to tremble.

I would also beg, that, for the support of national faith and honour, as well as domestic tranquility, they would pay the strictest attention to all the facred rules of justice and equity, by a faithful observance and fulfilment of all public as well as private engagements. Public expences are unavoidable; -- and those of the late war, although they fall short of what might have been expected, when compared with the magnitude of the object for which we have contended, the length of the contest, with our unprepared fituation and peculiarity of circumstances, yet could not fail to be great ;-but great as they may appear to be, when, for the defence of our invaluable rights and liberties, the support of our government, and our national existence, they have been incurred and allowed by those to whom, by your own choice, you have delegated the power, and affigned the duty, of watching over the common weal, and guarding your interests, their public engagements are as binding on the people, as your own private contracts; and are to be discharged with the same good faith and punctua-

I most earnestly request my fellow citizens, that they revere and practice virtue in all its lovely forms:this being the furest and best establishment of national as well as private felicity and prosperity. difmiffing as well all local and confined prejudices, as unreasonable and excessive jealousies and suspicions, they study peace and harmony with each other, and with the feveral parts of the confederated republic-That they pay an orderly and respectful regard to the laws and regulations of government; and that, making a judicious use of that freedom and frequency of election, which is the great fecurity and palladium their rights, they will place confidence in their public officers, and fubmit their public concerns, with chearfulness and readiness, to the deeisions and determinations of congress and their own legislature : whose collected and united wisdom, the people will find to be a much more fure dependance, than the uncertain voice of popular clamour, which, most frequently, is excited and blown about by the artful and defigning part of the community, to effect particular, and, often times, finister purposes. At such times, the

fteady good fense of the virtuous public, wisely exercised in a judicious choice of their representatives, and a punctual observance of their collected counsels, is the surest guide to national interest, happiness and security.

Finally, my fellow citizens! I exhort you to love one another; let each one study the good of his neighbour and of the community, as his own:—hate strifes, contentions, jealousies, envy, avarice and every evil work, and ground yourselves in this faithful and sure axiom, that virtue exalteth a nation, but that sin and evil workings are the destruction of a people.

I commend you, gentlemen, and the good people of the state, with earnestness and ardour, to the bleffing and protection, the counsel and direction of the great counsellor and director; whose wisdom and power is sufficient to establish you as a great and happy people:—and wishing you the favour of this divine benediction, in my public character—I bid you a long—a happy adieu.

I am, gentlemen,
your most obedient
humble servant,
JONATHAN TRUMBULL.
A true copy, examined by
GEORGE WYLLYS, secretary.

At a general assembly of the governor and company of the state of Connecticut, in America, held at Newhaven, on the second Thursday of October, A. D. 1783.

WHEREAS his excellency Jonathan Trumbull, esquire, governor and commander in chief in and over the state of Connecticut, has signified in an address to the general assembly, to be communicated to their consistents, his desire that he might not, considering his advanced age, be considered by the freemen of this state, as an object of their choice, at the next general election, as the governor has declared his wish to retire, after the expiration of his present appointment, from the cares and business of government.

Refolved by this affembly, that they confider it as their duty in behalf of their constituents, to express, in terms of the most fincere gratitude, their highest respect for his excellency governor Trumbull, for the great and eminent fervices which he has rendered this state during his long and prosperous administration: more especially for that display of wiftom, julice, fortitude, and magnanimity, joined with the most unremitting attention and perfeverance which he has manifested during the late successful, though diffresting, war, which must place the chief magistrate of this state in the rank of those great and worthy patriots, who have eminently distinguished themfelves as the defenders of the rights of mankind.

And that this affembly confider it as a most gracious dispensation of divine providence, that a life of so much usefulness has been prolonged to such an advanced age, with an unimpaired vigour and activity of

mind.

But if the freemen of this state shall think proper to comply with his excellency's request, it will be the wish of this assembly, that his successfor in office may posses those eminent public and private virtues, which give so much lustre to the character of him who has, in the most honourable manner, so long presided over this state.

It is further refolved, that the fecretary present to governor Trumbull, an authenticated copy of this act, as a testimonial of the respect and esteem of the legislature of this state. And the secretary is further directed, that as soon as he shall be furnished with such copy, he cause

the fame to be printed, together with this act.

A true copy, examined by GEORGE WYLLYS, fec'ry.

Observations on a comet lately discowered; communicated to the American philosophical society—By David Rittenhouse, 17.

N the 21st of January last, John Lukens, etq. informed me that he had discovered a comet, the preceding evening : and, on the evening of the fame day, affifted / by mr. Lukens and mr. Prior, I obferved the apparent place of the comet to be in the 15th degree of Pisces, with 16° 6' fouth latitude. By fubfequent observations, I found its motion to be north easterly, with respect to the ecliptic, and that its nearest approach to us had preceded our first observation It passed the ecliptic on the 31st, in the 25° of Pifces, and February the 17th it was in Pifces 29° with 13° 10' north latitude. This was the last time I faw it, clouds and moonlight having fince prevented.

The light of this comet was fo very faint that it was impossible to observe it with accuracy, at least without better instruments than I am possessed of, especially as the comet was always involved in day light, moonlight, or the thick atmosphere of the horizon. No pains or attention however were wanting, and from the best observation could make, I find it passed its peribelion about the 20th of January, its distance from the fun being about 7 of the fun's distance from us. The place of its afcending node is in the 25th degree of Taurus, and the inclination of its orbit 53°. Its motion is retrograde, that is, contrary to the order of the figns. I have still hopes of seeing it in the morning, though its distance is now so very great that it can scarcely be visible to the naked eye.

March, 1784.



Some account of a mothy coloured, or pyenegro girl and mulatto boy, exhibited before the American philosophical facility, in the mouth of May, 1784, for their examinatin: by dr. John Margan: from the history given of them by their owner, monf. le Vallois, dentift of the king of France, at Guadolupe in the West Indies, as follows.

A DELAIDE, the little girl now before the fociety, is aged two years and a little more than one month, is of a clear black colour, verging to brown, except that she has a white spot bearing some refemblance to an aigrette; the point of which is at the root of the nofe, and it rifes into the hair, above the forehead, of which it occupies above an inch in width, from the margin to the fontenelle. In this part the colour of the hair is white, and it is curly like the hair of negroes in general, and thicker in that part than on any other part of its head. In the middle of its forehead and on the aigrette, is a large black spot; on the external side next to the temples, about one half of each eye-lid, both upper and under, is black, and the remaining half next to the nofe, is white.

The eyes are black and lively; a little to the left and towards the middle of the chin a white fpot begins, which is long in proportion to its breadth, but of lefs magnitude than that of the forehead: it itretches under the chin to the upper part of the throat. The neck, the upper

and under part of the cheft, the shoulders, the back, loins, and buttocks to the junction with the thighs, and the pudendum, are of the colour of her face, but the loins and the thicker part of the buttocks are of a deeper black.

The arms from the upper and middle part are white, and interfperfed with black fpots. There are fome smaller and more numerous about her knees than elsewhere.

Upon the large black spots there are also many smaller and blacker, which are very glaring. Many of there spots divide into four, five, and fix rays, refembling a star, which are not observed but by a close inspection, and then they are very vifible. In feveral parts, those spots, being of different shades, give an exact picture of lunar eclipses, as they are commonly represented in the books of aftronomy. The hands. the middle part of the fore arms, the inferior and middle parts of the legs and feet are black, which have a pretty ftriking refemblance to gloves and to buskins.

The white that prevails over the breaft, and over the belly, arms, and thighs, has a lively appearance. The fkin is foft, fmooth, and fleek.

Adelaide has fine features; we meet with few negroes of fo beautiful a form. In her temper she is chearful, gay, and sportful, and as tall as children of her age generally are, and hath evidently a very delicate temperament, yet enjoys pretty good health; neither hath she eyes, nor ears, nor any particularity in her features, or external conformation, like what may be feen at the first inspection in those who are called white negroes, whose skin is altogether of a dead white colour, and whose woolly white hair and features refemble those of their negro parents.

From this detail we may remark, that the alteration of the natural colour of Adelaide, takes place over the fame parts of the body, for the most part, as over the body of Maria Sabina, of whom mons. Buffon gives an account; and considering it as a well authenticated fact, from all the information that has been received of Adelaide, that she had a negro father and negro mother, we are led to believe that the English account under the portrait of Maria Sabina is exact, and not afferted merely for the sake of covering the honour of the mother, and of the society in which she was a slave.

The pyed mulatto boy is named Jean Pierre. He is a month younger than Adelaide; but from his figure, which is robust, he appears to be fix months older. He, as well as Adelaide, both belong to mons. le Vallois. He was born at Grandterre, Guadaloupe, of a negro wench named Carolina, and of a white man, an European, whose name I did not learn.

A certificate which monf. le Vallois has with him, legally authenticated by monf. Blin, lieutenant judge, given from under the hand of monf. des Effart, king's physician, and monf. Cumin, king's furgeon, at Grandterre, Guadaloupe, attests, that Adelaide was born at Gros Iflet, in St. Lucia; that Bridget, her mother, is a negro of the Ibo nation, and now reckoned to be about twenty five years old, and that her father, whose name is Raphael, is a negro of the Mina nation. In this certificate it is further declared, that the father of Jean Pierre has white spots (that is, of a deeper white than his natural skin) of the same shape, and in the same parts of the body as the fon, and that the mother and one of the brothers of this boy's European father have like white spots, and in the same parts of the body.

However it may be in respect to those observations concerning the supposed resemblance of the white spots they may bear about them, to those

which mark Jean Pierre, it suffices to take notice here, that his body is entirely of the colour of a mulatto, except that he has from nature a white aigrette in his forehead like that of Adelaide. The hair in that part is white mixed with black, which is not fo in Adelaide. The stomach. and the legs from two inches above the ancles to the middle of the calf of the legs, are entirely of a beautiful lively white; there is also a white fpot in the upper part of the penis. Over the white parts of the legs there is a light white down, longer and thicker than children commonly have at this age.

Such is the natural history of those two extraordinary children; but what causes have produced those surprising phenomena and alteration of the natural colour of their skin, are left for others to investigate and ex-

plain.

Monf. le Vallois relates that the mother of Adelaide, whilst pregnant with her, was delighted in lying out . all night in the open air, and contemplating the stars and planets, and that the great grandmother of Jean Pierre (a white lady) during the time of her being with child of her daughter, his grandmother, by the father's fide, was frightened on having fome milk spilled upon her. ther this will account for her daughter and grandchildren being marked in the manner related, and for the spots observed on the mulatto boy descending to him-or whether the strong impression made upon the mother of Adelaide, by the nightly view of the stars and planetary system, may be confidered as the cause of the very extraordinary appearances in that girl, every one will determine for themselves; there being many who difpute children's being ever marked by the fears, longings, or impressions made by mothers on the bodies of their children, at a certain time of pregnancy; for which they endeavour

to account in different ways; whilst others, who have known a variety of children born with different marks on them (which have fallen under their particular notice) are equally confident of those marks proceeding from the causes alleged.

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Letter from the hon. Benjamin Lincoln, efg. F. A. A. to the honourable James Warren, efg. F. A. A. relating to the ingrafting of fruit trees, and the growth of wegetables.

Hingham, Nov. 3, 1780.

My dear fir,

TAKE this early opportunity, agreeable to my promife, to enclose you the sentiments of my friend on grafting, the growth of plants, trees. &c. These were given on a conversation which arose on my mentioning, that I had observed, for a number of years, an apple tree in my orchard, the natural fruit of which was early, having been grafted with a winter eyon, producing fruit very like in appearance to the fruit produced by the tree whence the cyon was taken, but destitute of those qualities inherent in that fruit, and necessary to its keeping through the winter. This led me to call in queftion the propriety of grafting winter fruit on a summer stock, and to enquire whether the stock through which, I supposed, the food passed to the cyon, and by which it was fitted properly to nourish the helpless and newly adopted branch, would not rather affimulate that, than that the cyon could, thus fed, retain all the qualities of its parent stock.

I am fenfible, that there are objections to this new fystem; and, perhaps, difficulties may be raised to it, which cannot be obviated. But, as this may arise either from the errone-

oulness of the doctrine itself, or from the want of knowledge in the principles of vegetation, I think it should not be adopted or rejected without the fullest enquiry; and especially, since a knowledge of the laws of vegetation is one of the most interesting matters which can be the fubiect of discussion: for on vegetation depends our being; and in the fame proportion as we obtain a knowledge thereof, and practice on that knowledge, in that proportion is our well-being promoted. That cultivation promotes vegetation, I think none will deny : for furely the earth, fpontaneously, gives us but a bare fublistence. The reasons assigned, why the earth did not more early bear fruit, were, because there was no rain on the earth, and because there was no man to till the ground. The necessity of which seems to have produced one of the first decrees from heaven to man, even while he was in Eden, furrounded with all the blessings thereof, that he should dress the garden. Whether tilling and dreffing the earth fo prepares its parts that they become proper food for the plant, and thereby promote vegeta-tion—whether by tilling and dreffing, the land is fitted properly to receive the rays of the fun, and to receive and retain a fuitable quantity of water, with which food for the plant is supposed, by some, to fallor whether, by tilling and dreffing, the land does really partake of more particles necessary to vegetation, and fo attracts like particles floating in the air, as similar bodies attract each other, and fo light on, and feed the plant in their fall, or do rest on the earth, are absorbed by the roots, and thence conveyed through the whole plant, are questions which can. I think, be determined with greater certainty when the principles of regetation are fully ascertained.

Please to favour me with the result of your enquiries on shele matters,

and it will much oblige him who has the honour to be, &c.

B. LINCOLN.

Hon. gen. Warren.

Observations on the growth of trees downwards after the first year.

THE idea has univerfally obtained, that trees grow from the root upwards. But perhaps it may appear probable, from the following confiderations, that trees, from the first year, grow from the top downwards.

The growth of the annual plants feenis to be the mere expanding of the parts contained in the feed, or bulb, which is a more perfect or full grown feed, differing but little from what is commonly called feed. Of this, the bulb of a tulip is the best example, as the parts are visible without the help of glasses. Upon removing the feveral coats of the bulb, each of which are the support of a leaf, in the centre of it, a large flower, near half an inch in length, will be found, and, in thickness, as large as a ryeftraw; in which the petals, stile, filaments, and buttons are fully formed, and perfect in every respect but size and colour. The lower leaf of the plant, which, within the bulb, covers all the rest, swells and expands first: then the next above fwells and expands; and fo on until the whole are expanded: after which, the stalk arises, the flower fwells and opens, and its beautiful colours are separated and exhibited to the eye. In this growth, the bulb is entirely wasted, except only the fine skin that covered each squamina, which remains much thinner than white paper. In the centre of the bulb, below the leaves, and adhering to the stalk, may be seen a very fmall bulb, much less than the feeds of the plant. This bulb is, however, increased with the growth of the leaves, until it becomes of the

fize of the parent: and when the stalk, the leaves, and the sibrous roots decay and dry up, this new bulb remains, in the place of the old one, capable of a like growth the next year.

The first year's growth of a tree, like that of plants, is the more expanfion of the parts contained within the feed, fo far as those parts are fitted for growth; and being expanded, the wood formed has no further growth, in any direction, but remains of the fame fize until it decays. Each leaf, which grows on the first year's shoot, as well as those of fucceeding years, has annexed to it, immediately above its ftem, an embryo bud, which is nourished and fitted to grow the following year, and to become a branch of the future tree. The leaf having performed its maternal duty, falls to the ground, and manures the tree from whence it fell.

The wood of these saplings of a year, is uniformly of one texture; but the wood of the next year is separated from it by a circular line, which remains as long as the wood lasts. Every fucceeding year is diffinguished in the fame manner; fo that by cutting the tree on one fide, from the circumference to the centre, and counting those circles, you may ascertain its age. And one of the main queftions, arising in the consideration of this subject, is, how are these annual additional circles of wood formed? Are they formed by the filling and expanding of fibres, which, too fmall for the observation of our senses, lie between the bark and the tree? or are they new fibres shooting either from below or from above? It appears, by examining the wounds of trees, that the wood being once feparated, never heals up and grows together. The new wood grows over, and covers the wound; but the feparated veffels never unite again: therefore, if the edge of a knife be

passed transversely through the bark half round a fapling, and those supposed extreme fine vessels were cut off, that fide of the tree ought to cease growing, and the buds above it perish. But the fact is otherwife: for, cover the wound so as the air may be prevented from carrying off the moisture, which, when uncovered, flows from the wound, the buds above will grow nearly as well as if the wound was not made. To suppose that new vessels, formed at the root, afcend, and feeking the buds, by paffing round the incifion, immediately find them, is too ludicrous an objection to be feriously noticed. Let us, then, consider the buds which are formed in the bosom of every leaf.

One of those buds, rended from its patent plant, and inferted in the bark of another tree of the fame genus, will grow as well as if it had been continued where nature placed it, and become a complete tree. Here, at least, there is a certainty, that there are no fibres calculated to fupport it, yet it will grow; and the whole tree, above the infertion in the stock, thus springing from a softer-bud, is exactly of the fame nature in all respects, and produces the fame fruit as the tree from which the bud was taken. This is the wonderful circumstance, which, though often attempted, has never been clearly accounted for. We shall proceed to enquire, then, how buds, inferted in foreign stocks, attain their growth.

When a bud is brought into contact with the flock, and the bark of the stock passed round and upon the bark laid in with the bud, the fap very quickly forms a gum, which glues them together, and stops the mouths of those vessels which had been torn by separating the bark and bud from the parent tree. Whoever examines the fact, must be convinced, that the bud, thus laid in, ne-

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ver has any further adherence to the flock; but remains, during the life of it, liable to be separated from it by diffolving that gum; and, from this circumstance, the size and shape of the wood, or bark, laid in with the bud, may be plainly discovered many years after its infertion. Here the communication between the flock and the bud is destroyed: for, if the fap penetrated this gum, it would diffolve it, and the bud would fail off; and there can certainly no fibres be fent from the root to feed a bud. which nature had not placed there. Nothing but experiment could induce a belief, that a bud, thus fituated, would grow, become a tree, blossom, and bear fruit. Let us see how buds grow in the fituation af-

figned them by nature.

The largeness of the bud, and the freedom with which it floots, renders the peach-tree a proper subject of this enquiry. Early in the fpring, when the bud first begins to swell, we shall find one or more fibres fhooting from it downward. Thefe fibres are fo large, below the bud, as apparently to fwell the bark, and, on removing the bark, the fibres may be plainly feen by the naked eye. Whoever carefully examines this fact. will fearcely doubt that this is really the manner in which buds begin to grow. Inoculations having the same power of fending out fibres from themselves as buds, in their natural fituations, need no nourishment from the stock on which they are fixed; but it becomes the question, from whence is their nourishment derived?

A curious yellow carnation, prefented to a gentleman at Lancaster, in the year 1778, being transplanted very early in the fpring, and the weather proving cold, he was obliged to take it into the house, and keep it in a room where fire was kept. Notwithstanding his utmost care in keeping the earth well watered, the plant declined, the leaves became

foft, and rested on the earth, and the plant shewed every symptom of approaching death. In this state, having bended twigs over the pot, he wet a thick tow-cloth, and threw over the plant, which formed a moist atmosphere round it. In a few hours the leaves became erect, and elastic, and within three days the whole plant assumed the aspect of perfect health. The roots had a supply of moisture, but it did not grow: the leaves were supplied, and the plant instantly flourished.

(To be continued).

Notes on farming, by the hon. C. T.

THE fuccess of farming depends principally on the collecting manure, on a proper change of crops, and on good tillage, or ploughing the ground properly, and keeping it clean, on the choice and management of stock, and on the care of the orchard and its produce. On these several articles, I shall make some notes, which are chiefly collected from mr. Young's farmer's tour through England, published in 1771.

1. Means for collecting manure, and

management of a farm-yard.

Let the farm-yard be made tolerably large; around it let there be sheds to shelter the cattle. The yard should be level, or rather hollow in the middle, that the ooze may not run off. Into this yard throw all your straw, which is not used for bedding. But as this will not be fufficient, it will be well to mow stubble, which is cut high, and cart it into the yard. All the rubbish and weeds in the lanes, &c. which should be cut while green and before they go to feed, should likewise be carted in. But above all, rake together the leaves in the woods, which may be loaded into carts with large baskets, and carry them into the yard. These being spread over the

yard, will, by the cattle treading on them, and receiving their dung and urine all winter, be converted into as rich a manure as any in the world.

When cattle are housed, they should be bedded every night with straw or leaves up to their bellies. This contributes to their health, and increases the dung. Let their stalls be cleaned out once a week; the heat of their bodies lying on the litter for that time, will begin and promote a fermentation, by which it will be reduced to good manure. By this mean, for every horse or cow kept in the stable during the winter, you may make at least fifteen or fixteen large loads of dung. 'This dung should, in the spring, be carted out to a stercorary, which should be prepared in the following manner. First spread a layer of earth (the cleansing of ditches, or earth scraped up from the furface of the ground will answer for this): then throw on a thick layer of dung, and then a layer of earth, and fo alternately a layer of dung and earth, but so that the quantity of earth shall not exceed one half the quantity of dung. this means you will have twentythree or twenty-four large loads of good manure for every beaft, and this laid on in the fall will be a good dreffing for an acre of land.

In making the flercorary, the carts should not drive on the heap, as this would press it too much, and prevent the fermentation, which is necessary to render it good compost. The loads may be shot down by the heap, and thrown on with shovels, &c.

Great care should be taken to preferve the urine and ooze from the yard and stercorary. For this purpose, some careful farmers sink wells, the bottoms and sides of which are well clayed. To these the ooze is conducted, and when they are full, some pump it up and throw it back upon the heap; others cart it out and fprinkle it over the grass. This last is faid to be an excellent practice.

There is another practice which turns to great account, as well for increasing the quantity of manure, as for feeding horses and cattle in the cheapest manner. Let a field of red clover be fowed near the farmyard; in the fecond year after it is fown, it will be fit for cutting by the fecond week in May. Let your horses and cattle be then kept in the yard, and clover cut and given to them in the stable, or in racks. has been found by experience, that feven acres of clover will feed twenty horses, seven cows, sive calves, and as many pigs, for feventeen weeks. Suppose the rate of keeping to be as follows:

20 horfes, 17 weeks, at
2s. 6d. per weeks, £. 42 10 0
7 cows, 17 weeks, at
2s. 6d. ditto, 14 17 6

5 calves and 5 pigs, at

1s. 6d. ditto, 6 7 6

The amount will be, £. 63 15 0 which is 9l. 2s. 1d. per acre. Befides this, the quantity of dung is immense where there is litter at command; and this is always the case where leaves can be gathered from the woods; for cattle fed on green, food, make much more urine in the fummer. It has been estimated, that four or five hundred loads of good dung may be made in the time mentioned, from the above horses and cattle. This, mixed with earth as before directed, will produce upwards of fix hundred loads of manure, which would be a pretty good dreffing for thirty acres of land.

It is to be observed, that a careful farmer suffers nothing to go to waste; and therefore all the urine and offals from the house, and all the ordure from the necessary, are carried and thrown upon the stercorary or farm-

yard.

In preparing a place for the fler-

corary, it may not be amifs first to dig out the earth about two or three feet deep. In that case the bottom should be well rammed and clayed, to prevent the ooze from sinking into the earth. The earth that is dug out, if of a loomy quality, or sandy mixed with loom, will serve to mix with the dung; so that the labour of digging the pit will not be lost.

In order to mix the earth and dung well together, the stercorary should be turned at least once in the fummer. For this purpose, a small space should be left at one end; then, beginning at that end, throw an equal space of the compost from top to bottom into that empty space, and so proceed till the whole is well turned and mixed. The stercorary should be kept moift, but not too wet, for though a moderate degree of moisture promotes fermentation and putrefaction, yet too great a degree will prevent them. As our fummer fun is very warm, and exhales too much of the moisture, it will be well to cover the stercorary with hurdles of leafy branches, or a rhatched cover may be made over it.

2. The change and course of crops.

It is a common opinion and practice of this country, that land thould yield a crop once in three years: this furely is bad farming, and what nothing but the great quantity of land could warrant. In England, and throughout Europe, and indeed in all the old fettled countries, where land is scarce and rents high, it is absolutely necessary that a crop of fome fort be raifed from the ground every year. And experience has evinced that land will bear this, and that the goodness of the crop depends upon culture and manure, and a proper change of feeds. For though good land is of great importance, vet the skill and industry of the farmer, will, in a great degree, compensate for the want of goodness in the soil in its natural state: and it is found.

that by proper management, lands which are naturally poor, have been brought to yield crops nearly as great as rich lands, and much greater than rich lands ill managed. The man, therefore, to whose lot it has fallen to possess landsnaturally poor, should not be discouraged, but rather stimulated to exert his abilities, and shew his skill in meliorating nature.

A fuccession of the same fort of crops will speedily exhaust the best land. For this reason the skilful farmer changes his crops almost every year. The succession most approved, and which is practised to great advantage in Norfolk, one of the best farming counties in England, is,

1 Turnips,

2 Barley, with cloverfeed,

3 Clover, 4 Wheat.

Then turnips, &c. in fuccession again. Some have had the third and fourth year clover, and the fifth wheat.

Another course, which they find

extremely beneficial, is,

1 Turnips, 2 Barley,

3 Clover, two years,

4 Buckwheat,

Wheat; then turnips, &c. again. They plough four or five times for turnips, beginning in the fall. After the ploughing they leave the ground unharrowed to receive the benefit of the winter frosts. They plough it again in the spring, and having first laid on the manure, then they plough and harrow it again in May, and give it the last ploughing and harrowing in June, when the seed is sown.

Some put on their manure just before the last ploughing. With respect to this, experience will be the best director. The turnips should be fown in rows, or the feed drilled in with a drill plough. The turnips, while growing, should be hoed twice, or ploughed between the rows as is common for potatoes, and kept clear

of weeds.

The crop is fed off by cattle and fheep. Some feed them off as they grow, confining the cattle and flieep by hurdles to an acre; when that is caten up, removing the hurdles and taking in another acre, till the whole is fed off. Others purfue the following method. They first feed one piece, suppose an acre, by running a row of hurdles across the field; then, before they move the hurdles, they draw another acre, and cart them for the cattle to the acre cating off, and fo on throughout the field, always carting the crop from the land where it grows, to the part last cleared. If the produce is large, and cattle are turned in, they spoil as much as they eat; but when turnips are laid clear above the foil, and the earth partly thaken off, they eat them up clean.

For bariey, they commonly plough three times, but fome four times; twice in the fall, leaving the last ploughing unharrowed to receive the benefit of the winter frosts; the other ploughing or ploughings they give in the winter or spring. With us, as our winters are generally severe, three, or even two ploughings, will do; one or two in the fall, and one in the spring. They fow four bushels of feed to the acre, and get from thirty-two to forty bushels in return. -This seems a large quantity of seed; however, experience will shew, whether the quantity commonly fown in this country, which is usually not more than two bushels, or that fown in Norfolk, is best. And for this purpose, it will be well to try different quantities on the same sield, and note the difference, and then follow that which answers best.

After the barley is fown and harrowed, they then fow the clover feed, eight or ten pounds of feed to the acre, and then roll the ground with a large wooden roller, which prefes in the feeds and breaks the clods. In this country, fome defer fowing the clover till the barley is off. The land

is then ploughed and well harrowed, and fown with clover feed, eight or ten pounds to the acre, and then rolled. Some recommend the fowing buckwheat, before the last harrowing, and then to fow and roll in the clover feed. The buckwheat, they observe, shelters the young clover from the sun, and keeps down weeds and other grass. But in this case the buckwheat should be fown very thin. The mowing or cutting it in the fall, will not injure the clover. Both ways may be tried.

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Method of making pot-ash as practised in Hungary, and Poland.

IN Hungary and Poland, the manufacture of pot-affices is carried on in the woods. The buildings necessary are only wooden sheds, slightly built up, and contrived so as to be taken to pieces, and carried from one forest to another.

The most proper wood is the oak, bearing acorns, of which they pick the best trees, one of which will render five kettles, or about twelve and a half bushels of pot ashes, the quantity requisite for making 100 wt. They find a very great difference in the nature of the wood in different forests, that of Tjagadoru and Canissa yielding double the quantity of lixivious falt that can be had out of the wood of the forests near Epires, under the Carpathian mountains. Too much attention cannot be had to the choice of proper wood, though to fome people its importance may not appear at first view.

When the wood is felled, and cut into billets, it is burnt in a large hearth, under shade, to prevent the rain from spoiling the ashes, which must be kept dry, three, four, or six

months, before they are lixiviated; for experience shews, that they produce more falts, when kept a certain time, than when immediately used. Care must be taken to keep them free from dirt.

To lixiviate, or draw the falts out of the ashes, they use a number of casks, not unlike French hogiheads, according to the extent and largeness of their works. The casks are about two feet ten inches high: they have a double bottom, the uppermost of which is placed ten inches above the lowermost; it is perforated with holes, and the lowermost has one hoie for the lie to drop gently through into a trough: the space between the two bottoms is filled with straw: twelve or fixteen of these casks being ranged in a row upon a trough, are filled with ashes, and by means of a canal or gutter laid upon the casks with a hole corresponding to each of them, water is conveyed into them from a pump: this water passing through the ashes, carries their falts along with it; as long as it is of a brownish or reddish colour they let it run through; but when no longer discoloured, they stop. The lie thus procured not being strong enough by passing through the ashes once, must be poured upon a se-cond or third cask, 'till it is so strong that an egg will fwim in it; however it must be observed, that there is a danger in making it too strong.

When the lie is thus procured, they proceed to evaporate the watry particles from it by ebullition; this they call making blackpot-ashes. For this purpose they use iron pans, much like those used in making salt: they are about four feet diameter above, and near three feet deep; between a pair of them they have a brass boiler, fomewhat smaller than the iron pots; they are fixed in masonry like a sugar baker's row of pans with a fire-place below them, and an open chimney

to carry off the steam. They use, according to the largeness of the works, three, fix, nine, or twelve pans and boilers, in a work, Suppose they work only two iron pots and a brafs boiler, they begin by filling one pan and the boiler with lie, and then making fire: in proportion as the lie evaporates and diminishes in the iron pan, it is supplied from the brass boiler, which is supplied with cold lie. When the first pot is boiled ten or eleven hours, they fill the fecond, and supply it continually from the boiler in the same manner as the first was: the first pan is still fupplied with boiling lie from the boiler 'till the phlegm is entirely evaporated: they then ftop putting lie to it: but, continuing the fire, the mass becomes thick and hard, and is what is called black pot-ashes. When it is cold, it is cut into pieces and taken out, and fresh lie is put into the pan, and the operation continued as mentioned above. When the first pan is evaporated, the second is only half evaporated; fo the work is never discontinued during a week, in which time two men, relieving one another, make about feventeen hundred weight.

The process of calcining the black pot-athes, rendering them of a fine whitish blue colour, and able to stand the weather without running into a' liquid, is performed in an oblong kind of a furnace, in the midit of which there is a hearth fomewhat raised with a border of bricks to prevent the pot-ashes from falling into the fire during calcination. The fire is made on each fide of the hearth: there is a door to the hearth, through which the black pot-ashes are put into the furnace, and a door on each fide of it to put in wood to the fire: the furnace is arched over, and there are three holes in the front part, to give vent to the fmoke and vapours.

The proportion is as follows: The length of the furnace fifteen feet; the breadth twelve and a half feet, including the hearth and fire places; viz. the hearth eight and a half feet; the two fire places four feet; the height of the arch, from the hearth, three feet, all within the walls. When a fufficient quantity of black pot-ashes are ready, they begin to calcine, and make it a rule never to let the furnace cool, till they have finished the whole. The black potathes are broke into lumps the fize of a man's fift, and spread upon the hearth, after which the iron door is thut, and a gentle fire is made, and care taken to hinder the ashes from running and vitrifying, which a ftrong heat would occasion. they grow red hot, they are stirred with an iron rake that they may calcine equally: when they begin to whiten, the flames become bright, and the fire is increased to the greatest degree. When they want to know if they are enough calcined, they take a lump out, and if is white in the infide, they are done. The door of the hearth is always kept fhut, except when they are stirring the pot-ashes: and in order to obferve the progress of the calcination. they have a small hole in the iron door of the hearth to look in at. When the calcination is finished, they rake out the pot-afties upon a pavement before the furnace: they are packed up in casks of fifteen to feventeen hundred weight. When the furnace has cooled a little, they put in more pot-ashes to calcine, and by relieving the workmen, continue calcining 'till all the black pot-ashes are done. Four men and a boy, constantly employed, make about forty to forty-two tons of calcined potashes in a year, all the operations included, if the work is carried on, and rightly understood.

Thoughts on the culture of homp.— Published by order of the Boston committee f.r promoting agriculture.

IN the remote part of the Russian empire, the farmer doth afford his hemp at so cheap a rate, as to allow of a transportation of many hundred miles by land, to Riga, Petersburgh, Archangel, and other ports, and from thence, (after duties and other charges paid) fome hundred leagues to the fouthern parts of Europe; and with an addition of charge, from thence, of not less than 1000 leagues, to America. This being duly confidered by the American farmers, who are generally upon a much better foil, and in a much happier climate, will be a means of convincing them, that notwithstanding the supposed difference in the price of labour, they may produce hemp with profit, fince it may be transported to market with a light charge, free of duty, and vendible for call, at more than feven times the price it cost at the place of its growth in Russia. Should it be said, the Russian farmer gets but little for his labour, yet it is to be prefumed the American must grow rich by his; and it. is expected with good reason, that a few years experience will convince him thereof.

The most proper time for fowing the feed cannot be fixed, as not only the climate, but even the fituation of the land, wherein it is to be fowed, is to be confidered—whether it be high and warm land, or more low, and exposed to wet, if sowed too early: fome hemp-growers in Maffachufetts have, for the most part, sowed about the fame time they planted their Indian com; others are of opinion, that as early in the fpring, as the ground can be got ready, is most adviseable; and this will be much earlier in fome of the states than in others. Hemp is of quick growth, and may feafonably arrive at maturity, though not fowed till the middle of May. But however the farmer may judge as to the feafon, let him be very cautious as to the goodness of the seed: an imposition must render fruitless the labour of the year. He is therefore to chuse fuch feed (of the last year's growth only) as appears fresh, firm, and bright, to be proved by rubbing it between his hands; if it fuller this without breaking, and is made much brighter, it may be called good; but if it be broken and made dufty by rubbing, it must be judged unfit for the farmer's use. Of good feed, the quantity to be used is according to the method used in sowing it. In the drill husbandry method (which the experience of fome foreign countries, a few years fince practifed upon in Great Britain, and of late in America, has proved to be the best for raising of hemp, and therefore deserves the attention of every farmer) one bushel and an half of feed to an acre is fufficient: in the common husbandry, not less than three bushels are usually sowed; and sometimes more, according to the richness or poverty of the soil. In fowing, great care and judgment should be used, that it be not sowed too thick nor too thin; by the one, the crop will be hurt by its lodging; by the other, the bunn or straw will increase, and the hearle or coat be too

The preparation of the foil in the drill way of fowing hemp-feed is the fame as in the common way. The feed must be planted in double rows, with ten or twelve inches partitions, and with intervals, for the hoe-plough, from three to four feet broad, as the foil may be more or less rich; the richer the foil, the narrower may be the intervals. The feed must be planted and covered very shallow, and is not safe in general, if covered deeper than about half an inch, un-

less in very light foils, in which it may grow at one inch depth. This is recommended as the method of cultivating hemp to the greatest advantage, for it supplies the plants with fresh nourishment during their growth, and the filling the stalks, and the goodness of the coat depends much upon fuch supplies, which it cannot have in the common way. A plant raised in this method is often worth four plants raised in the other. If hemp produced in the common way will yield the farmer fuch a profit as he is fatisfied with, in the drill plough method, he may expect to grow rich.

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Mode of breaking steers to the draft in a fero days.

L ET the farmer carefully yoke his steers in a close yard or stable, and not move them till they get fufficiently accustomed to the yoke, fo that they will eat their food, when yoked; which will be in the course of a day. Let them again be yoked the second day, and a pair of gentle horses or oxen be fastened before them, in which station let them stand, until they become familiar with faid horses or oxen, which will generally be effected in one day, excepting the steers should be uncommonly wild, which will occasion a fecond day's practice, after the fame manner; and the next day, the steers may be yoked, the horses or oxen put before them as usual, and let them be fastened to a wagon or any other carriage; they fearing the carriage behind them, and being accustomed to the old oxen before, they will proceed forward without being whipped or bruised. By the above process the farmer will never fail of fuccess in having good working ox-

A FARMER. November 18, 1787.

Method of making seel.

C TEEL may be made by fusion or Cementation; for the latter way, choose the best forged iron, or that which is most malleable, and impregnate it with a large portion of inflammable matter. First forge your iron into small hars; then take one part of powdered charcoal, and half a part of wood ashes, and mix them together; or take two parts of charcoal, moderately powdered, one part of bones, horns, hair, or skins of animals, burnt in a close kettle to blacknefs, powder them with half as much wood ashes in weight, and mix them together; then let a cylindrical veffel be constructed with fire brick, like a very large crucible, and place the bars of iron therein, in a perpendicular position; first having strewed the bottom over with the cementing materials an inch thick; then let the bars be placed an inch apart, and an inch from the fides of the crucible; fill up the interstices with the cementing mixture, two inches above the ends of the bars of iron; then cover the crucible with a lid that will stand fire, and lute it on with clay and fand; then kindle up a fmart fire, and keep the crucible red hot for eight or ten hours. will convert the iron into feel.

To temper the fleel, give it a red hot heat, then plunge it fuddenly into clean cold water. This changes the quality of the steel in an instant, from being a very ductile and fort, into a hard and stiff substance, so that the file will nat cut it. hotter the steel, and the colder the water into which the steel is plunged, the harder the steel will be. fame steel that has just been tempered, may be untempered by heating it, and letting it cool moderately.

Various mixtures are used for tempering steel, such as suet, oil, urine, water impregnated with foot, with

fal ammoniac, and other falts.

Steel may be turned into iron by sementing it with calcareous earths, and quick-lime.



A recipe for an infolvent debtor.

THE man who wishes to obtain this honourable redemption this honourable redemption from the troublesome obligations of law and conscience, in conformity to the ruling spirit of the day, would do well in the first instance, to take fafe counsel on the subject. It is not necessary, I prefume, to go to gentlemen learned in the law. He had better go to some of his experienced neighbours-they can teach him better than science can, the complicated struggles of grace and nature, which colour the history of the business, and especially the several processes which are requifite in the working of this political falvation. He must then cast about to see how he can most fafely dispose of his lands and chattles. His family are the fittest, and the most natural objects of his gifts. He can besides have more confidence in them than in strangers, that after the transactions are over, they will return what he has given them-a fmall and perhaps the most miserable remnant of his estate, I would advise him to reserve for his creditors. It will at least fave appearances; and appearances (even those which are pretty thin too) are all that are required by the fashionable habits of the times. He must then contract large debts to his family, revive old continental transactions, and give generous bonds for the payment of the immense sums which his fons and daughters or parents and kinfmen had lent him in the days of his prosperity. If unluckily he has no fuch connexions, he must then hunt up neighbours and strangers on whom he can bestow his obligations; I would advise him Vol. III. No. I.

to be very careful that his new contracts exceed three fourths of all his former, and for fear that his memory may not ferve him with accuracy, he had better err on the fafe fide, and extend his new contracts beyond all possible bounds of mistake. It is a good maxim to do business thoroughly, when we undertake it, and though some patriots are for dying in the last ditch, it is certainly better not to perish at all. The most material point remains, and that is the fwearing part of the business. ought therefore to be the great object and fludy of the infolvent. He must keep his conscience in perfect subordination, or he will affuredly fail. He should read the compositions of the jefuits, he should court the intoxication and pleasure, he should fummon up the magnanimity of a finner, and by fuch wholesome ways and means, endeavour to stifle and fubdue the last gasp and struggles of mortal fensation.

The fwearing part of the comedy I trust will therefore be found on experiment to be the easiest of the whole. If a man gives all his property away, he then can fafely fwear he has none; and that his inventory is just. If he gives a well drawn bond to another, that man can as fafely fwear that he has owing to him a bona fide debt. It is owing according to the forms of the law, and the bond, it is clear, was bona fide given for the purpose it was intended; he may further confider that even an oath is nothing in our days, but the form of law, whatever it might have been in the days of our superstitious ancestors, or whatever it might have been in the days of the old pagan Romans, who were weak enough to cultivate a reverence for an oath, as the furest pledge of civil obedience and of military discipline.

The legislatures of our wifer days have multiplied oaths till they have destroyed their efficacy, and have in

fact only required a certain fet of words to be uttered before a certain magistrate, in order to make valid a certain species of bargains. These bargains we all know are intended to keep property in families, and prevent the rude interposition of creditors. If then the insolvent and his new associates comply with that form, they answer the law, and indeed their consciences too, for St. Paul inculcates obedience to the civil powers as the primary duty of

the fubiect. The infolvent is now by this time sipe for his discharge, and to that end he must be careful to notify the public through the channel of the newspaper, of the time and place of his discharge. He then attends and receives from the venerable hand of justice, the pardon of his past follies, deliverance from the hands of his enemies, and an open entrance into the bright prospects of peace and happiness, in the enjoyment of that property which he is to receive shortly from the unexampled generofity of his friends. If these directions are carefully attended to, and a little more time and experience added to the falutary practice, we may shortly expect to fee every man able to conduct this business for himself; and, whenever he finds it convenient, to rid himself at once of all his debts as well as all the other obligations of law and gospel.

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From the American Magazine.

Letter on marriage.

To the editor.

FIVE years have elapsed, fince I was enrolled in the list of married men; and although very fortunate in my connection, and extremely happy, yet I flatter myself I have reflection enough to attend to all the inconveniencies, as well as the pleafures of the married life. I am confident therefore that the following remarks do not proceed from the impulse of a blind passion, but from a dispassionate view of facts.

I shall but repeat a hackneyed observation, when I say that luxury tends to discourage early marriages; but the application of this remark to our own country, may be useful to

the young of both fexes.

It has been the misfortune of the united states, that a passion for expenfive living has increased faster than the means of supporting it. The people of any country should live in such a style, that they can in the ordinary course of business, fupport themselves in this style, and make a clear faving of profits. If men in general, cannot, with ordinary application and economy, maintain themselves and families in the customary style of living, and make clear profit, either the balance of trade must be much against that country, or the manners of its inhabitants too expensive. Perhaps both are true of these states. That the balance of trade is against us, is certain; and if our business will not support the customary expences of living, and leave a profit, our manners should be reduced within narrower limits. The business of every country should regulate the manners of its inhabitants: The practice of borrowing the manners of other nations, is as abfurd as to transplant the orange tree into Canada.

That we are too rapid in our advances to refinement in living, is unquestionably true. We labour hard to imitate the fashions of the richest commercial nation in Europe, while our business is clogged with more embarrassments, than the trade of any free nation on earth. Our pride obliges us to load ourselves with

a thousand expensive and unnecessary articles, which serve as badges of

fplendid poverty.

Although I regret that this is the prevailing tafte of my countrymen, I lament still more the unhappy effects of it in multiplying the number of bachelors and maids; yet I cannot justify all the fears of my male friends, who are deterred from engaging in matrimony by the difficulty of gaining a genteel subsistence. The expence of a family is considerable; but fo is the expence of a fingle life; and notwithstanding there are many ladies, who would help to fquander away the hard-earned profits of industry, yet there are many, too, who would affift in preferving them, and in accumulating an estate.

It is a just remark, that it is more difficult to keep money than to earn it: and whatever be the cause, few bachelors ever acquire the art of keeping, or acconomising the profits of their labour; and hence the vulgar remark that bachelors feldom get rich. A fingle man, aside of heavy expences and contingencies, must necessarily pay a thousand small fums in the course of a year, which would be faved in a family. A woman of any understanding will always contract her expences, within her husband's income, provided she knows what that income is. I have no doubt many men deceive their wives in this article, and when they fall in arrears, lay all the blame to their extravagance. Such a conduct is equally mean and criminal.

For my own part, I once indulged the same apprehensions of the expensiveness of a married life, and doubted my abilities to support it. But in the fascination of love, I ventured to try the experiment, and have yet no cause to repent of my rashness, Either I earn more money by a more diligent attention to business, or I spend less in useless amusements, or my partner is a bet-

ter economist, than I was when a bachelor. Whatever may be the reafon, I find subsistence as easy as before; and I flatter myself have added to the sum of social felicity.

The merit of the American ladies is univerfally acknowledged—and all objections to matrimony, arising from an apprehension of the expence, will be removed as soon as a man is heartily in love. I recommend to all young men to be industrious, and to all of 25 years of age, to run the hazard of being as happy, as your humble servant,

PHILANDER.

New York, December 17, 1787.

Directions to conduct a newspaper dispute, according to the most approved method now in practice.

ARTICLE I.

SUPPLY yourfeff with all political, polemical, controverfial, and hypercritical authors, and arrange them before you.

II. If you quote any of these authors, be sure to omit the sign of quotation. It will then carry all the

marks of originality.

III. If you infert the fign of quotation, at the bottom of the passage quoted, write in Italics :- according to the best of my recollection ;-and as your recollection cannot be supposed infallible, you may, with a good face, (by changing an affirmative into a negative term, and vice verfa) pervert the fense of the author in favour of your argument. Thus, truth becomes a lie by prefixing the little negative un, and in a thousand other ways, as may eafily be learned by looking into the commentaries, and miscellaneous productions of the great cif-atlantic Blackstone.

IV. Authors generally write in a train, and one argument supports an-

other like the links of a chain: now, in quotation, you may eafily turn any author to your use, if you are careful to take out a link without the one which supports it, and here too, never trouble yourself with small words, for I will warrant you, no one will give himself the pain to follow you to the passage quoted,

V. If your piece is of a public nature, interesting to each fex, and every denomination, place at the top a long frontispiece in Latin; but be fure not to translate it, for as it stands, there are many hidden truths

in it.

VI. Surcharge your piece well with the names of Coke, Sydney, Locke, Hale, and Blackstone; talk of Lycurgus, Solon, and Draco, as though you had been their contemporaries: let all your comparisons, similies and allegories be fublime, and on an extensive scale. Comparisons from the planetary and philosophical world, when applied to common life, have a most happy elucidation; they not only discover your learning, but are best suited to vulgar capacity; for those who cannot understand, will adore the incomprehenfibility of your genius.

VII. If you find yourself growing obscure, thrust in a laconic sentence from the classics; nothing elucidates like it. At the conclusion, do not difgrace your piece with a signature in any modern language; let it rest on a Grecian or Roman pillar; an Aristides, Epaminondas, Lycurgus, Solon, Hortensius, Sempro-

nius, or Brutus.

VIII. If your dispute is of a private or personal nature, throw no daggers in the dark; it is Indianish. The innocent and unconcerned, by these means, may fall a victim to your envenomed arrows. Make no prosers of private settlement; this belongs to your antagonist; but bring him to a public tribunal. Here the merit of your dispute will depend on

the authority of your evidence, when the dead are fometimes called forth to affert: but there are certain laws established to conduct a private dif-

pute.

IX. Arrange your books as directed in article first. Now, as you are not to quote a whole paragraph, but a fentence here and there, let them be diffusive authors, all treatises on the passions, and above all, the newspapers; here you will find an inexhaustible fund for flander and defamation, which you know is to pervade your whole piece.

X. Mingle in your ink three quarters gall: this being analogous to your mind, must act in concert with it, and prove a most potent

ally.

XI. Read over one of the pieces of your antagonist, no matter which, for you are not to answer any, but to rail, defame, and vilify. Besides, were you to try to trace his arguments, your passions might cool, and so lose the whole life and support of your piece.

XII. Above, in capitals, place your antagonist's name; at the beginning of avery fentence, turn your eye upon it; this will fuggest proper ideas, and rancour will flow through

the whole.

XIII. After you have finished your piece, and found it the dictates of passion, slander, and revenge, you will feel pleasing emotions, and then you may venture to write your introduction. In this affert, that the lies and mifrepresentations of your antagonist, have moved you to be impartial, and perhaps rigidly fevere. If you have ever discovered any marks of benevolence, generofity, or public fpirit, do not forget to mention them; they will prepare your readers to fwallow the whole gorge, and keep it down till they have read your antagonist.

October 8, 1787.

Some account of the opy fum.

THE human mind, pleased with contemplating the various operations and phenomena of nature that perpetually surround us, is often at a loss on which to fix its attention. The animal world opens an immense avenue to real information and speculative enquiry, not only with respect to the structure and economy that generally prevails, but the diversity we observe in particular species.

Nothing has more especially engaged the attention of the learned, than the peculiarities of the opossum. The anatomy of this animal is not only generally unknown in a country of which it is a native, but very chimerical ideas have been formed, refpecting the adhesion of the fœtus in a very early state to the mammæ. Many, from superficial inspection, have been induced to believe the usual generative organs in this species are either deficient, or, what is more abfurd, entirely unnecessary: but from diffection we find that nature has been uncommonly provident in this instance. There are a double fet of ovaria, two uteri and vaginæ: and the appearance that deceives, is, that the time of gestation in this animal is not fusiciently long to exclude the young in as perfect a state as many others, fo that a provision is made for their future increment, and greater state of perfection after their exclufion, by an adhesion to the mammæ: nor is this the only fecurity they have; when they are large enough to leave their first habitation, they are defended from danger by a false fack, supported by a bone wisely contrived to facilitate the different motions necessary for the reception and exit of the young.

Peterfburgh, Dec. 13, 1787.

Extract of a letter from Cadwallader Colden, eff. to dr. Fothergill, concerning the throat diftemper.

Coldenkam, (N. York,) Od. 1, 1753.

Sir,

BEFORE I proceed in giving an account of the throat diftemper, it is proper to tell you, that I have not had opportunities for obferving all the appearances which it has made. I have feen it only in my own family, and in a few neighbours in the country, to whom I fometimes give advice, when they cannot obtain assistance otherwise: having entirely laid aside the practice of physic upwards of twenty years. What I chiefly learned was from the late dr. Douglass, of Boston, a gentleman of great skill in medicine, and an accurate observer, having correfponded with him, while this dif-temper was frequent in the part of the country where I live.

The first appearance of the throat distemper was at Kingston, an inland town of New England, about the year 1735; and as this town has no foreign trade, it may be concluded that the disease was not imported.

It fpread from thence, and moved gradually westward, so that it did not reach Hudson's river till near two years afterwards. It continued some time on the east side of Hudson's river, before it passed to the west, and appeared first in those places to which the people of New England chiefly resorted for trade, and in the places through which they travelled.

It continued to move westerly, till, I helieve, it has at last spread over all the British colonies on the continent.

Though what I have mentioned feems evidently to shew, that this disease was propagated by infection, yet it did not spread in the same manner contagious distempers usually do: for children and young people were

only subject to it, with a few exceptions of fome above twenty or thirty, and a very few old people, who died of it. Neither did it fpread equally to all places, that were equally exposed to the infection. The poorer fort of people were more liable to have this difease than those who lived well, with all the conveniencies of life. It has been more fatal in the country than in great towns. People of a scorbutic habit were most subject to it, and they who fed on pork, or lived on wet and low grounds. In some places, only a few persons or families were seized, while, in others, all escaped. fome families, it passed like a plague through all their children; in others, only one or two were feized with it. Some were feized with it at fuch a distance from the infected, that it could not be conceived in what manner they could receive the disease by infection. Some families had the difease mildly, while others, in the fame place, and at the fame time, had a most violent fort.

Ever fince it came into the part of the country where I live (now about fourteen years) it frequently breaks out in different families and places, without any previous observable cause; but does not spread as it did at first. Sometimes a few only have it in a considerable neighbourhood. It seems as if some seeds, or leven, or secret cause remains, wherever it goes: for I hear of the like observations in other parts of the country. Several have been observed to have had it

more than once.

The feeds of this diftemper feem to be hatching, in the humours of the body, before any particular fymptoms of it appear; forchildren have been observed to languish, for some time, before the disease manifested itself; and a corrosive humour bred in their issues, or in other fores, when they had any, and any constitutional ails were sometimes revived. When

the distemper becomes obvious, it has the common fymptoms attending a fever, except that a nausea, or vomiting are feldom observed to accompany it. It is attended with a moist putrid heat, the skin being seldom parched. The pulse is usually low, but frequent and irregular: the countenance dejected, with lowness of spirits: no considerable thirst; the tongue much furred, and the furring sometimes extends all over the tonfils, as far as the eye can reach. At other times, in the milder kind, the tonfils appear only fwelled, with white specks of about a quarter of an inch, or half an inch diameter, which are thrown off, from time to time, in tough cream coloured floughs. When these come off, the tonfils appear deeply pitted and corroded, and the floughs are foon again renewed. Sometimes all the parts near the gullet or throat, are much fwelled, both inwardly and outwardly, fo as to endanger a fuffocation, and frequently mortify: but most generally the fwelling inwardly is not fo much as to make fwallowing difficult. Sometimes these swellings

imposthumate. In different years, and different persons, the symptoms are various. In some seasons it has been accompanied with miliary eruptions all over the skin: and, at such times, the symptoms about the throat have been mild, and the disease generally without danger, if not ill treated. Some have had sores like those on the tonsils, with a corrosive humour behind their ears, on the private and other parts of the body, sometimes without

any ulceration in the throat.

The last complaint commonly is of an oppression or straitness in the upper part of the chest, with difficulty of breathing, and a deep hollow hoarse cough, ending in a livid strangledlike countenance, which is soon followed by death.

This disease is not often attended

with that loss of strength that is usual in other fevers; so that many have not been confined to their beds. but have walked about the room till within an hour or two of their death : and it has often appeared no way dangerous to the attendants, till the fick were in the last agonies; though the patients themselves are generally dejected and apprehensive, which by others is too often attributed only to a lowness of spirits. Some died on the fourth or fifth day; others on the fourteenth or fifteenth; fome even later: and fometimes the corruption or putrefaction of the humours is fo great before any remarkable fymptoms appear, that nature is not able to raise a fever for its expulfion. In this case, the fick die fuddenly by a general mortification, without a fenfible struggle.

It was not discovered, by any anatomical inspection that was made, that any of the bowels were peculiarly affected; only the lungs appeared as in peripneumonic cases; but a general corruption and stench of the humours were very perceptible.

When the fores, after the floughs cast off, appear of a fiery red, there is great danger; but when they are covered with a black crust, it is a fatalomen; as also when hemorrhages follow on any slight scratch.

When this disease first appeared, it was treated with the usual evacuations in a common angina, and few escaped. In many families, who had a great many children, all died; no plague was more destructive. Generally when the fick fell into the hands of physicians not acquainted with the peculiar malignity of the disease, they misearried.

However bleeding, or bliftering, or lenient purgatives, may, on fome occasions, be of use in the beginning of the disease, all sensible evacuations of every kind, after the disease has continued some time, are destructive. The consequences of them are, a ge-

neral tendency in the humours of the body to unfurmountable mortifications; fo far, that the orifice made by the lancet in bleeding, and the adjacent parts mortify. So likewife the places where blifters were applied mortify; and the ichor, which iffues from them, corrodes all the parts on which it distills, and produces mortifications. Mortifications follow on flight feratches. So general an aerimony has been produced in the humours after evacuations, that a bloody ichor has continued to iffue from the body, after death, till the corpfe was buried.

Cold air is always found to be prejudicial in the throat-distemper, either by protracting it, or throwing it on the lungs, or on fome other part necessary for life. It has been frequently observed, that if persons, seemingly recovered and freed from all the manifest symptoms of the disease, went into the cool air, before the putrid heat or ferment was quite exhausted, they had relapses. kinds of flesh-meat and fish prejudicial; and spirituous liquors in any quantity, increased the malignity frongly, though, from a moderate use of them, some thought they found benefit, especially if they were at the same time kept from the cool

As the humours in this disease had a manifest tendency to mortifications, and the Peruvian bark, about this time, had become famous in their cure, it was tried by several, but without success.

The only successful method of cure was first discovered by dr. Douglass of Boston, in the year 1736, and published by him; though, in the country places, very little minded afterwards. It was by confining the sick to bed, in a moderate warmth, so as to keep up constantly a free perspiration, by gentle diaphoretics, given from time to time, with warm teas. Sage tea was most commonly

used. This regimen was to be continued, not only till all the fymptoms disappeared, but for some time afterwards, guarding carefully against cold, and using the diaphoretics night and morning. This method I found fuccessful, not only in my own family, but with many of my neighbours. I only used the serpentaria as a diaphoretic, and perhaps it may be the best, as it is found to be a powerful antiseptic. If the disease was taken in the beginning, and this method purfued, feldom any of the terrible fymptoms appeared, and the discase went through its course mildly. The use of the serpentaria was found beneficial, even after the appearance of the bad fymptoms, and recovered them beyond our hopes. But care must be taken not to give it fo as to cause any sweating, for fweating was found to be as piejudicial as any other fensible evacuation.

Dr. Douglass, by letter, informed me that he found well duleified mercury of use in the throat-distemper, especially when joined with camphire. He thought that it supplied the place of the miliary eruption, which was found so falutary in this disease.

Though topical remedies fignify very little, where the general method of cure by perspiration, is neglected; yet they are never omitted, because there is no fatisfying the patients or their relations, without them. All greafy or uncluous applications were manifestly injurious.

The common gargle was a decoction of fumach berries and ferpentaria, with a little allum diffolved in it. It was thought proper to gargle before they fwallowed any thing.

The fores on the tonfils were frequently touched with the compound tincture of aloes mixed with honey.

And when the throat was swelled much, and in danger of mortification, fomentations were made with the decoction of the common bitter and aromatic herbs, in which fal ammoniac, or, borax, or in want of them, common falt, was diffolved, and sharp vinegar added. Flannel cloths, dipped in this, and wrung out almost dry, were applied to the swellings.

A girl of about ten years of age, in my neighbourhood, at the time that the throat-distemper was frequent in the country, had fores on her private parts, like those on the tonfils in others, but no fymptom of the diforder appeared in her throat: the ichor, which issued from them at times, dried up, and then she was feized with violent pains in her belly, which had continued for fome time, and which she complained of, when my advice was defired. I ordered her to be confined to her bed, and to take a large dose of the ferpentaria, which foon gave her eafe, and by continuing the common diaphoretic regimen, the perfectly recovered.

It would be impertinent in me to attempt any kind of reasoning with you on the nature of this disease; but as I have entertained an opinion of the fundamental distinction of the several species of fevers, I gladly embrace this opportunity of fubmitting it to your judgment and corrections, in hopes that you will favour me with your opinion thereon. tinguish the humours of the body into three different stages or classes. First, that which circulates only within the larger ramifications of the veins and arteries, and which is properly called blood. Secondly, that which moves flowly in fmaller ramifications than those in which the red globular parts can pass, and from which the fensible fecretions are Thirdly, and laftly, that humour which moves and is contained in still finer ramifications, and which is fometimes distinguished by the name of lymph. This last I take to be the principal instrument in the vital and vegetable functions of an animal. I suppose that the animal food or nourishment undergoes three different concoctions or digestions, after it has entered the course of the circulation, in these different ramisications; in all which, the humours move slowly: That by a fault in any one or more of these digestions, discases of different kinds are produced, which may be properly diffinguished and ranked, according to the different stages in which these humours circulate, and where the digestion is faulty.

I think that the feat of inflammatory fevers is in the first stage. That when the seat of the fever is in the second stage, it may appear under very different symptoms, as different secretions are more peculiarly affected by it: and lastly, that the severs, commonly called nervous, have

their feat in the third stage.

From this dittinction it follows, that the morbid matter in the first class may be most effectually carried off by venesection: in the second by one or more of the sensible secretions: and in the last, by insensible

perspiration only.

I conceive that the lymph, which moves separately in the finest and last ramifications of the vessels; has the sewest sensible qualities of any of the humours of the body; and though, in it's natural state, the most benign and mild, like the white of an egg; yet is subject to the greatest alterations, and to become the most offensive. As the white of an egg, by putrefaction, becomes so nauleous, that the least drop of it taken into the stomach, or by any means mixed with the lumours, throws the animal into the greatest disorder.

I need not mention to you, that feldom any one humour can be vitiated without affecting the others; and that frequently the fault in the last concoction is owing to fome defect in the preceding; and from these a skilful physician will vary his

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method of cure in feveral circumftances. But when the lymph is vitiated by infection, all the other digestions may be in order, and natural, till they become afterwards vitiated by the faulty lymph mixed with them. This distinction must deferve the peculiar regard of the phyfician.

I think that all those disorders which are commonly called nervous, whether acute or chronical, really proceeds from some fault in the lymph; and that the distinction of lax and rigid fibres, is owing to an excess or defect of this humour, or to some

other fault in it.

These hints, I am persuaded, are sufficient for you to form a judgment of my opinion in the classing of diseases, how far it is really founded in nature, and how far it may be of use in the cure of diseases. You will oblige me exceedingly, by letting me know your opinion freely. If you think me in an error, I shall insist on your telling me so, from your known candour and humanity, lest I should lead others into the like mistake.

I hope the following observation wili not be difagreeable to you, as it relates to nervous fevers. In the year 1746, when I was at Albany, on the affairs of government, while preparations were making for the expedition, as we thought, then, intended against Canada, a nervous fever was epidemical, of which many died; whether from the malignity of the disease, or ignorance of the practitioners, I cannot fay: for in no distempers are more errors committed than in nervous. I observed the difeafe in only one person, a lady. It had the appearance of an intermittent, or rather remittent, with a frequent low pulse, except in the paroxyfms, when it was high; a dejection of spirits, great refilemels, an entire profration of appetite. clammy sweats of a rancid patrescent

fmell. The physician who attended her, had treated it as an intermittent without fuccefs. She was brought very low, and had an aversion to all kind of medicines. I advised her to drink a glass of old Madeira wine every four or five hours. She very fenfibly recovered, by the continued use of the wine, and sooner than could have been expected. A poor man, the fame physician's patient, hearing of this lady's recovery, fent to beg a bottle of wine. It was given him, but not without the phy-fician's consent, who permitted it, thinking the case desperate. did, however, recover, by this means. He drank a gallon in a few days; and used it more freely than was allowed. Several others, in like manner, received benefit by wine. I cannot fay of what use Madeira might have been in the beginning of the disease, because the cases which came to my knowledge of its benefit, were after the disease had continued long, and the fick were brought low. was observable, however, that though many people were feized with this distemper, no one Madeira drinker had it. One gentleman, who, for feveral days, apprehended he had got the distemper, (as at first they complain only of a general lassitude, and of being neither well nor fick), told us, who took our glasses every evening, and kept well, that he was refolved He drank to go with us that night. very freely, and, from that time, he had no more fymptoms. You know, that Hippocrates advises the use of wine in some fevers; but I question if he ever prescribed a bottle of strong wine, fuch as Madeira wine is, for a dofe.

I shall mention one thing more, as not quite foreign to the subject I write on. It has been commonly believed, that inoculation of the small pox was an invention of the Circafians, to preserve the beauty of their women. But from what follows, it

feems probable, that the practice is much older, and that it came from Africa originally, with the diffemper I have lately learned from my negroes, that it is a common practice in their country, fo that feldom any old people have the difeafe. They generally inoculate all their young, as foon as the infection comes into the neighbourhood. They tell me, that in the regimen under it, they only abstain from all fleth-meat, and drink plentifully of water acidulated with the juice of limes, which grow large and plentifully in their country. This, perhaps, may be worth observation, in hot feafons. It will be objected, how comes this not to have been fooner discovered, since so many negroes have been for near one hundred years past all over the colonies. But it is not to be wondered at, fince we feldom converse with our negroes, especially with those who are not born among us; and though I learned this but lately, when the fmall pox was among us last spring, by some discourse being accidentally overheard among the negroes themselves, I have had the fame negroes above twenty years about my house, without knowing it before this time. examined them feparately, and am perfuaded, that, as they live at a great distance from the town, they had never heard of inoculation among us *, and yet they described the method of inoculation the same as ours, viz. by making a fmall cut in the arm, and applying a little cotton dipped in the variolous pus.

NOTE.

* Turning over accidentally, a little pamphlet, printed at Boston, in 1722, since I wrote what is above, I find, that some negroes in Boston had at that time afferted, that inoculation of the small pox was common in their country.

If what I have wrote, in any man-

mer answers your expectations, I hope you will favour me with your sentiments thereon, which will greatly oblige, fir, your most obedient humble servant,

CADWALLADER COLDEN.

Letter from dr. Hall Jackson to dr. Ezra Stiles, on the efficacy of the Digitalis Purpurea in dropsies, &c.

Portsmouth, (N.H.) April 30, 1787.

IN the year 1785, that justly celebrated botanist, dr. William Withering, physician to the general hofpital in Birmingham, Great Britain, published a treatise on the Digitalis Purpurea, (Fox-glove) and its medical uses, with practical remarks on dropfies and other diseases. valuable treatife came into my hands the same year; it contains more than an hundred and fifty cases of dropfies, many of them of the worst and most complicated kind, cured or relieved by this efficacious plant. I last year received from London, a fmall quantity of the dried leaves, and some of the same in powder. From repeated trials here, I am fully perfuaded, that neither dr. Withering, nor his numerous correspondents, have exaggerated its falutary effects; it is, perhaps, the most powerful diuretic in nature, and possesses a remarkable quality of abating the action of the heart, and retarding the circulation of the blood.

By the last ship from London, and last post from Boston, I was honoured with a very polite, obliging, and interesting letter from dr. Withering, and favoured also with a quantity of seeds of the Fox-glove by him. He writes, "I fend more than you will have occasion for, in hopes that you will distribute them into the other

states."

It is with much pleasure that I comply with the doctor's humane with, in enclosing you a small quantity of them, being fully persuaded you will find equal satisfaction in the cultivation of so useful and ornamental a vegetable; it bears a beautiful purple bell-flower, worthy a place in any garden.

I take the liberty of transcribing two other passages in the doctor's letter, which, I think, may, with propriety, accompany the feed. "I am more and more convinced, that the Digitalis, under a judicious management, is one of the mildest and safest medicines we have, and one of the most efficacious. I believe it is not necessary to create a nausea, or any other disturbance in the system. never use more than 1 scruple fol. suc. 1 lb. of infusion, and in substance rarely more than 3 grains in twentyfour hours."-" Digitalis has cured two other cases of infanity in this neighbourhood, and three cases of hemoptæ: the latter were of a kind attended with a quick bounding pulse, and I directed the medicine, from the quality I knew it possesses of abating the action of the heart."

I would just mention, that it is a biennial plant, and I conclude it will take fome little care to preserve the roots from the severity of the frosts in this cold climate, though it flourishes spontaneously in the fields of England.

My good intention must be my apology in the liberty I have taken in troubling a gentleman of your character with so lengthy a letter, altogether professional. I wish to promulgate so valuable an acquisition in medicine, and am so unfortunate as not to be acquainted with any gentleman of the faculty in your state.

I am, fir, &c.
HALL JACKSON.

The rev. Ezra Stiles, prefident of Yale college.

From the European magazine, for Au-.gujl, 1785.

An inestinable dissilvent for the human calculi.

MR. Benjamin Colburne, of Bath, is a gentleman fo universally known and eiteemed, that were it not for the information of mankind throughout Europe, it would be needless to fay, that he is a man of ample fortune, of the utmost candour, and possesses unbounded philanthropy: that being bred to physic (from the practice of which he has many years fince retired) he has employed his leifure hours in chemical experiments, and with fuch fuccels, that he has proved, beyond a doubt, on himself, and on several of his friends, that the folution of fixed alkaline falt, faturated with fixable air, will prevent the formation of calculi in the human bladder; nay, that calculi being Reeped in that folution, will daily lofe of their original weight, and be disposed to crumble and ditfolve. The late ingenious dr. Dobloa, in his " commentary on fixed air," had conceived that much benefit in many diforders, and particularly the gravel, might be received from the use of medicated waters. But it appears that mr. Colburne is the field man who has experienced, in his own person, the success of his own discovery; and having so done, he generously communicated it to his friends and neighbours, who have been equalty relieved, and who were equally willing to have their names and cases published; which not only proves the efficacy of the medicine on a fingle patient, or constitution, but that it is fuch as acts on the urine of all human beings. Colburne's own case, the reverend doctor Cooper, the honourable and reverend G. Hamilton, of Taplow, of inr. Ainslie, and of a simple man of 65, who would not permit his

name to be published (yet equally benefitted) has been published by dr. Falconer, but published as an appandix to dr. Dobson's " commentary on fixed air." I have, therefore, thought it an act of humanity to give the poor, as well as the rich, the means of relief, by fending you a sketch of this valuable discovery; and it will then be in every man's power, either to prepare the folution himfelf, or to purchase it at a very moderate price: and they may be fure that this is fent to you with the fame good defign that it was communicated by the discoverer, whose memory, I have reason to believe, will be revered by many nations. Mr. Colburne informs us, that from feveral very accurate experiments on the human calculi steeped in alkaline falts, they were reduced in weight, and disposed to dissolve: this led him to try what effect it would produce, by the internal use, on the urine of those who fuffer from the gravel or stone, and was agreeably furprised to find that his own (for he was a fufferer himself) from being turbid, and disposed to precipitation, became clear and of a natural colour. But the alkaline falts proving difagreeable and naufcating, he conceived that fome more agreeable mode might be contrived to answer the fame good purpofes. Fixed air feemed to mr. Colburne the best means of fuecefs, and experience foon confirmed his hopes. The alkaline folution is thus prepared.

thus prepared.

Put two ounces, troy-weight, of dry falt of tartar into an open earthen veffel, and pour upon it two quarts of the foftest water to be had, and stir them well together. Let the folution stand for 24 hours, when the clear part must be poured off with care, to avoid any of the residuum, and put into the middle part of one of the glass machines for impregnating water with stable air, and exposed to a stream of that sta-

id; after the water has been 24 hours in this fituation, it will be fit for use, and should be bottled off: well-cork the bottles, and set them up on their corks, bottom upwards; and with such care it will keep several weeks. Eight ounces may be taken three times in 24 hours without any inconvenience: but it may be best to begin with a smaller quantity.

It is needless to enumerate the cases of the other respectable gentlemen, whose names are mentioned above; it is sufficient to sav, that mr. Colburne, by an almost constant use of this medicine, enjoys better health and better spirits, though considerably turned of 60, than he had experienced for 20 years before, and never has any fymptoms of gravel or stone, but when he happens to neglect (as is fometimes the cafe, when from home) his accustomed folution. It appears, also, that the other gentlemen whose names are mentioned, and a lady of Bath alfo, who from delicacy, not folly, has likewise withheld her name, have all experienced the wonderful effects of this very important discovery. Had this medicine been discovered by a practifing and professional man, there is not a doubt but it would have made his fortune: or, indeed, had mr. Coiburne fecretly communicated it to fome medical friend (and no doubt he has many) it must, in that case, have enriched an individual. But he has generously given it for the good of all mankind, fnewing them how to use it; and therefore I defire it to be extended in your useful and entertaining publication.

To his excellency Edmund Randolph, efq.

December 2, 1787.

Sir.

IT has been reported in various parts of the state, that the reasons

which governed you in your disapprobation of the proposed federal constitution, no longer exist; and many of the people of this commonwealth have wished to know what objections could induce you to refuse your fignature to a measure so flattering to many principal characters in America, and which is so generally supposed to contain the feeds of prosperity and happiness to the united states.

We are fatisfied, fir, that the time is passed, when you might with propriety have been requelled to communicate your fentiments to the general affembly on this subject; but as you have been pleafed to favour us with your observations in private, and we conceive they would not only afford fatisfaction to the public, but also be useful by the information and infiruction they will convey, we hope, you can have no objection to enable us to make them public, through the medium of the prefs. We have the honour to be, with respectful esteem. fir, your most obedient servants,

> M. Smith, John H. Briggs, Charles M. Thruston, Mann Page, jun.

To M. Smith, Charles M. Thrufton, John H. Briggs, and Mann Page, jun. efquires.

December 10, 1787.

Gentlemen,

YOUR favour of the fecond inflant, requesting permission to publish my letter on the new constitution, gives me an opportunity of making known my fentiments, which, perhaps, I ought not to decline. It has been written ever fince its date, and was intended for the general assembly. But I have hitherto been restrained from sending it to them, by motives of delicacy arising from two questions depending before that body, the one respecting the constitution,

the other myfelf. At this day, too, I feel an unwillingness to bring it before the legislature, lest, in the diversity of opinion, I should excite a contest unfavourable to that harmony with which I trust the great subject will be discussed. I therefore submitthe publication of the letter to

your pleasure.

I beg leave, however, to remind you, that I have only mentioned my objections to the constitution in general terms, thinking it improper, and too voluminous, to explain them at full length. But it is my purpose to go at large into the constitution, when a fit occasion shall present it-

I am, gentlemen, &c.

EDMUND RANDOLPH.

A letter of his excellency Edmund Randolph, efq. on the federal constitution.

Richmond, October 10, 1787. Sir.

THE constitution, which I inclosed to the general assembly. closed to the general affembly, in a late official letter, appears with-out my fignature. This circumstance, although trivial in its own nature, has been rendered rather important to myfelf at least, by being mifunderstood by some, and misrepresented by others-As I disdain to conceal the reasons for with-holding my fubscription, I have always been, still am, and ever shall be, ready to proclaim them to the world. the legislature, therefore, by whom I was deputed to the federal convention, I beg leave now to address them; affecting no indifference to the public opinion, but refolved not to court it by an unmanly facrifice of my own judgment.

As this explanation will involve a fummary, but general review of our federal fituation, you will pardon me, I trust, although I should transgress the usual bounds of a letter.

Before my departure for the convention, I believed that the confederation was not fo eminently defective, as it had been supposed; but after I entered into a free communication with those, who were best informed of the condition and interest of each state—after I had compared the intelligence derived from them, with the properties which ought to characterize the government of our union, I became persuaded, that the confederation was destirute of every energy, which a constitution of the united states ought to possess.

For the objects proposed by its inflitution were, that it should be a shield against foreign hostility, and a firm resort against domestic commotion; that it should cherish trade, and promote the prosperity of the

states under its care.

But these are not among the attributes of our present union. Severe experience, under the pressure of war—a ruinous weakness, manifested fince the return of peace—and the contemplation of those dangers, which darken the future prospect—have condemned the hope of grandeur and of safety under the auspi-

ces of the confederation.

In the exigencies of war, indeed, the history of its effects is short; the final ratification having been delayed until the beginning of the year 1781. But howfoever short, this period is distinguished by melancholy testimonics of its inability to maintain in harmony the focial intercourse of the states; to defend congress against encroachments on their rights; and to obtain, by requisitions, supplies to the federal treasury or recruits to the federal armies. I shall not attempt an enumeration of the particular instanccs: but leave to your own remembrance, and the records of congress, the support of these affertions.

In the feafon of peace, too, not many years have elapfed: and yet each of them has produced fatal examples of delinquency, and fometimes of pointed opposition to federal duties. To the various remonstrances of congress, I appeal for a gloomy, but unexaggerated narrative of the injuries, which our faith, honour, and happiness have sustained by the failures of the states.

But these evils are past: and some may be led, by an honest zeal, to conclude, that they cannot be repeat-Yes, fir, they will be repeated, as long as the confederation exists, and will bring with them other mifchiefs, springing from the same fource, which cannot be yet foreseen

in their full array of terror.

If we examine the constitutions, and laws of the feveral states, it is immediately discovered, that the law of nations is unprovided with fanctions in many cases, which deeply affect public dignity and public juf-The letter, however, of the confederation, does not permit congress to remedy these defects: and fuch an authority, although evidently deducible from its spirit, cannot, without a violation of the fecond article, be affumed. Is it not a political phenomenon, that the head of the confederacy should be doomed to be plunged into war, from its wretched impotency to check offences against this law-and sentenced to witness, in unavailing anguish, the infraction of their engagements to foreign fovereigns?

And yet this is not the only grievous point of weakness. After a war shall be inevitable, the requisitions of congress, for quotas of men or money, will again prove unproductive and fallacious. Two causes will always conspire to this baneful con-

lequence.

First. No government can be stable, which hangs on human inclination alone, unbiassed by the fear of And fecondly, from the coercion. connection between states bound to proportionate contributions-jealousies and suspicions naturally arise, which at least chill the ardour, if they do not excite the murmurs of the whole. I do not forget, indeed, that by one fudden impulse, our part of the American continent has been thrown into a military posture, and that in the earlier annals of the war, our armies marched to the field on the mere recommendations of congress. But ought we to argue from a contest thus signalized by the magnitude of its stake, that as often as a flame shall be hereafter kindled, the fame enthusiasm will fill our legions -or renew them, as they may be

thinned by loffes?

If not, where shall we find protection? Impressions, like those, which prevent a compliance with the requifitions of regular forces, will deprive the American republic of the fervices of a militia. But let us suppose, that they are attainable, and acknowledge, as I always shall, that they are the natural support of a free government. When it is remembered, that in their absence agriculture must languish—that they are not habituated to military exposures, and the rigour of military discipline-and that the necessity of holding in readiness successive detachments, carries the expence far beyond that of enlistments this resource ought to be adopted with caution.

As strongly too I am perfuaded, that requisitions for money will not be more cordially received. For hefides the distrust, which would prevail with respect to them also-befides the opinion, entertained by each of its own liberality and unfatisfied demands against the united states, there is another confideration not less worthy of attention. The first rule for determining each quota, was the value of all land granted or furveyed, and of the buildings and improvements thereon. It is no longer doubted, that an equitable, uniform mode of estimating that value, is

impracticable; and therefore twelve states have substituted the number of inhabitants under certain limitations, as the standard, according to which money is to he surrished. But under the substitution articles of the union, the assent of the thirteenth state is necessary, and has not yet been given. This does of itself lessen the hope of procuring a revenue for sederal uses; and the miscarriage of the impost almost rivets our despondency.

Amidit these disappointments, it would afford some consolation, is, when rebellion shall threaten any state, an ultimate assume could be found under the wing of congress. But it is at least equivocal, whether they can intrude forces into a state, rent assume by civil discord, even with the purest solicitude for our sederal welfare, and on the most urgent intreaties of the state itself. Nay, the very allowance of this power, would be pageantly alone, from the want of

money and men.

To these defects of congressional power, the history of man has fubjoined others, not less alarming. I earnestly pray, that the recollection of common fufferings, which terminated in common glory, may check the fallies of violence, and perpetuate mutual friendship between the states. But I cannot presume, that we are superior to those unsocial pasfions, which under like circumstances have infested more ancient nations. I cannot prefume, that through all time, in the daily mixture of American citizens with each other, in the conflicts for commercial advantages, in the discontents, which the neighbourhood of territory has been feen to engender in other quarters of the globe, and in the efforts of faction and intriguethirteen distinct communities under no effective superintending controul (as the united states confeffedly now are, notwithstanding the bold terms of the confederation)

will avoid a hatred to each other deep and deadly.

In the profecution of this enquiry we shall find the general prosperity to decline under a system this unnerva ed. No fooner is the merchant prepared for foreign ports with the treafures, which this new world kindly offers to his acceptance, than it is announced to him, that they are shut against American shipping, or opened under oppressive regulations. He urges congress to a counter-policy. and is answered only by condolance on the general misfortune. He is immediately struck with the conviction, that until exclusion shall be opposed to exclusion, and refriction to restriction, the American flag will be difgraced. For who can conceive, that thirteen legislatures, viewing commerce under different relations, and fancying themselves discharged from every obligation to concede the fmallest of their commercial advantages for the good of the whole, will be wrought in a concert of action in desiance of every prejudice? Nor is this all :- let the great improvements be recounted, which have enriched and illustrated Europe-let it be noted, how few those are, which will be absolutely denied to the united states, comprehending within their boundaries the choicest bleffings of climate, foil, and navigable waters; then let the most fanguine patriot banith, if he can, the mortifying belief, that all these must sleep, until they shall be roused by the vigour of a national government.

I have not exemplified the preceding remarks by minute details; because they are evidently fortified by truth, and the consciousness of united America. I shall therefore no longer deplore the unstances of the consederation to secure our peace; but proceed, with a truly unaffected distrust of my own opinions, to examine what order of powers the government of the united states ought

to enjoy? how they ought to be defended against encroachments? whether they can be interwoven in the confederation without an alteration of its very effence? or must be lodged in new hands? shewing at the fame time the convulsions, which feem to await us from a dissolution of the union or partial consederacies.

To mark the kind and degree of authority, which ought to be confided to the government of the united states is no more than to reverse the description, which I have already given, of the desects of the confede-

ration.

From thence it will follow, that the operations of peace and war will be clogged without regular advances of money, and that these will be slow indeed, if dependent on supplication For what better name do requisitions deserve, which may be evaded or opposed, without the fear of coercion! But although coercion is an indispensible ingredient, it ought not to be directed against a state, as a state, it being impossible to attempt it except by blockading the trade of the delinquent, or carrying war into its bowels. Even if thefe violent schemes were eligible, in other respects, both of them might perhaps be defeated by the fcantiness of the public cheft; would be tardy in their complete effect, as the expence of the land and naval equipments must first be reimbursed; and might drive the proscribed state into the desperate resolve of inviting soreign alliances. Against each of them lie separate unconquerable objections. A blockade is not equally applicable to all the states, they being differently circumstanced in commerce and in ports; nay an excommunication from the privileges of the union would be in vain, because every regulation or prohibition may be eafily eluded under the rights of American citizenship, or of foreign Vol. III. No. I.

nations. But how shall we speak of the intrusion of troops? shall we arm citizens against citizens, and habituate, them to shed kindred blood? shall we risque the inflicting of wounds, which will generate a rancour never to be fubdued? would there be no room to fear, that an army, accustomed to fight, for the eftablishment of authority, would falute an emperor of their own? Let us not bring these things into jeopardy. Let us rather substitute the same process, by which individuals are compelled to contribute to the government of their own states. Instead of making requisitions to the legislatures, it would appear more proper, that taxes should be imposed by the federal head, under due modifications and guards; that the collector should demand from the citizens their respective quotas, and be supported as in the collection of ordinary taxes.

It follows, too, that, as the general government will be responsible to foreign nations, it ought to be able to annul any offensive measure, or inforce any public right. Perhaps among the topics on which they may be aggrieved or complain, the commercial intercourse, and the manner, in which contracts are discharged, may constitute the principal articles of clamour.

It follows, too, that the general government ought to be the supreme arbiter for adjusting every contention among the states. In all their connections, therefore, with each other, and particularly in commerce, which will probably create the greatest discord, it ought to hold the reins.

It follows, too, that, the general government ought to protect each state against domestic as well as external violence.

And lassly, it follows, that through the general government alone can we ever assume the rank, to which we are entitled by our re-

Should the people of America furrender these powers, they can be paramount to the constitutions and ordinary acts of legislation, only by being delegated by them. I do not pretend to affirm, but I venture to believe, that if the consederation had been solemnly questioned in opposition to our constitution, or even to one of our laws, posterior to it, it must have given way. For never did it obtain with us a higher ratification, than a resolution of assembly in the daily form.

This will be one fecurity against encroachment. But another, not less effectual, is, to exclude the individual states from any agency in the national government, as far as it may be safe, and their interposition may not be absolutely necessary.

But now, fir, permit me to de-clare, than in my humble judgment, the powers, by which alone the bleffings of a general government can be accomplished, cannot be interwoven the confederation without change of its very effence; or, in other words, that the confederation must be thrown aside. This is almost demonstrable from the inefficacy of requisitions, and from the necessity of converting them into acts of authority. My fuffrage, as a citizen, is also for additional powers. But to whom shall we commit these acts of authority, these additional powers? To congress? When I formerly lamented the defects in the jurisdiction of congress, I had no view to indicate any other opinion, than that the federal head ought not to be fo circumscribed. For free as I am at all times to profess my reverence for that body, and the individuals who compose it, I am yet equally free to make known my aversion to repose fuch a trust in a tribunal so constituted. My objections are not the visions of theory, but the refult of my own observation in America, and of the experience of others abroad. The legislative and executive are concentered in the same persons. This, where real power exists, must eventuate in tyranny. 2. The representation of the states bears no proportion to their importance. This is an unreasonable subjection of the will of the majority to that of the minority. 3. The mode of election, and the liability to be recalled, may too often render the delegates rather partizans of their own states, than representatives of the union. 4. Cabal and intrigue must consequently gain an ascendency in a course of years. A fingle house of legislation will sometimes be precipitate, perhaps passionate. 6. As long as seven states are required for the smallest. and nine for the greatest votes, may not foreign influence at some future day infinuate itself, so as to interrupt every active exertion? 7. To crown the whole, it is fcarcely within the verge of possibility that so nus merous an affembly should acquire that fecrecy, dispatch and vigour, which are the test or excellence in the executive department.

My inference from these facts and principles is, that the new powers must be deposited in a new body, growing out of a consolidation of the union as far as the circumstances of the states will allow. Perhaps, however, fome may meditate its dissolution, and others partial consederacies.

The first is an idea awful indeed and irreconcileable with a very early, and hitherto uniform conviction, that without union we must be undone. For before the voice of war was heard, the pulie of the then colonies, was tried and found to beat in unifon. The unremitted labour of our enemies was to divide, and the policy of every congress to bind us together. But in no example was this truth more clearly displayed, than in the prudence with which indepen-

dence was unfolded to the fight, and in the forbearance to declare it, until America almost unanimously called for it. After we had thus launched into troubles, never before explored, and in the hour of heavy distress, the remembrance of our focial strength not only forbade despair, but drew from congress the most illustrious repetition of their settled purpose to despite all terms short of independence.

Behold, then, how fuccefsful and glorious we have been, while we acted in fraternal concord. But let us discard the illusion, that by this fuccess and this glory the crest of danger has irrecoverably fallen. Our governments are yet too youthful to have acquired stability from habit. Our very quiet depends upon the duration of the union. Among the upright and intelligent, few can read without emotion the future fate of the states, if severed from each other. Then shall we learn the full weight of foreign intrigue—then shall we hear of partitions of our country. If a prince, inflamed by the luit of conquest, should use one state, as the instrument of enflaving others-if every state is to be wearied by perpetual alarms, and compelled to maintain large military establishments-if all questions are to be decided by an appeal to arms, where a difference of opinion cannot be removed by negociation—in a word, if all the direful misfortunes which haunt the peace of rival nations, are to triumph over the land-for what have we contended? Why have we exhausted our wealth? Why have we bafely betrayed the heroic martyrs of the federal cause?

But dreadful as the total diffolution of the union is to my mind, I entertain no less horror at the thought of partial confederacies. I have not the least ground for suppofing that an overture of this kind would be listened to by a single state; and the presumption is, that the polities of the greater part of the states flow from the war:nest attachment to an union of the whole. If however a lesser confederacy should be obtained by Virginia, let me conjure my countrymen well to weigh the probable consequences, before they attempt to form it.

On fuch an event, the strength of the union would be divided into two or perhaps three parts. Has it so increased since the war as to be divisible—and yet remain sufficient for

our happiness?

The utmost limit of any partial confederacy which Virginia could expect to form, would comprehend only the three fouthern states and her nearest northern neighbour. But they, like ourselves, are diminished in their real force, by the mixture of an unhappy species of population.

Again may I ask, whether the opulence of the united states has been augmented fince the war? This is answered in the negative by a load of debt, and the declension of trade.

At all times must a fouthern confederacy support ships of war and soldiery. As soon would a navy move from the forest, and an army spring from the earth, as such a confederacy, indebted, impoverished in its commerce, and destitute of men, could, for some years at least, provide an ample desence for itseif.

Let it not be forgotten, that nations, which can enforce their rights, have large claims against the united states, and that the creditor may infift on payment from any one of Which of them would probably be the victim? The most productive and the most exposed. When vexed by reprifals, or war, the fouthern states will sue for alliances on this continent, or beyond sea. If for the former, the necessity of an union of the whole is decided. If for the latter, America will, I fear, re-act the scenes of confusion and bloodshed, exhibited amongst most of those nations, which have, too late, repented the folly of relying on auxili-

Two or more confederacies cannot but be competitors for power. The ancient friendship between the citizens of America being thus cut off, bitterness and hostility will succeed in its place. In order to prepare against furrounding danger, we shall be compelled to vest, somewhere or other, power approaching near to a military government.

The annals of the world have a-

The annals of the world have abounded so much with instances of a divided people being a prey to foreign influence, that I shall not restrain my apprehensions of it, should our union be torn asunder. The opportunity of infinuating it will be multiplied in proportion to the parts, into which we may be broken.

In short, sir, I am fatigued with fummoning up to my imagination, the miseries which will harrass the united states, if torn from each other, and which will not end, until they are superseded by fresh mischiefs un-

der the yoke of a tyrant.

I come, therefore, to the last and perhaps only refuge in our difficulties, a consolidation of the union, as far as circumstances will permit. To suffil this desirable object, the constitution was framed by the sederal convention. A quorum of eleven states and the only member from a twelsth, have subscribed it; mr. Mason of Virginia, mr. Gerry of Massachusetts, and myself, having resused to subscribe.

Why I refused, would, I hope, be folved to the satisfaction of those who know me, by saying that a sense of duty commanded me thus to act. It commanded me, fir, for believe me, that no event of my reflection. To subject more of my reflection. To subject more of my reflection in considerable gratification, since it would have presented me to the world as a fellow-labourer with the learned and zealous statesmen of America. But it was

far more interesting to my feelings, that I was about to differ from three of my colleagues; one of whom is, to the honour of the country, which he has faved, embosomed in their affections, and can receive no praise from the highest lustre of language: the other two of whom have been long enrolled among the wifeft and best lovers of the commonwealth, and the unshaken and intimate friendship of all whom I have ever prized, and still do prize, as among the happiest of all my acquisitions. I was no stranger to the reigning partiality for the members who composed the convention; and had not the smallest doubt, that from this cause, and from the ardour for a reform of government, the first applauses, at least, would be loud, and profuse. I sufpected, too, that there was fomething in the human breast, which for a time would be apt to conftrue a temperateness in politics into an enmity to the union. Nay I plainly forefaw, that in the diffentions of parties, a middle line would probably be interpreted into a want of enterprize and decision. But these considerations, how feducing foever, were feeble opponents to the fuggestions of my conscience. I was sent to exercife my judgment, and to exercise it was my fixed determination; being instructed by even an imperfect acquaintance with mankind, that felfapprobation is the only true reward, which a political career can bestow. and that popularity would have been but another name for perfidy, if to fecure it, I had given up the freedom of thinking for myfelf.

It would have been a peculiar pleafure to me, to have afcertained, before I left Virginia, the temper and genius of my fellow citizens, confidered relatively to a government, fo fubfrantially differing from the confederation, as that which is now fubmitted. But this was for many obvious reasons impossible; and I was thereby deprived of what I

thought the necessary guides.

I saw, however, that the confederation was tottering from its own weakness, and that the sitting of the convention was a fignal of its total infufficiency. I was therefore ready to affent to a scheme of government, which was proposed, and which went beyond the limits of the confederation, believing, that without being too extensive, it would have preserved our tranquility, until that temper and that genius should be collected.

But when the plan which is now before the general affembly, was on its passage through the convention, I moved, that the state conventions should be at liberty to amend, and that a fecond general convention should be holden to discuss the amendments, which should be suggested by them. This motion was in fome meafure justified by the manner in which the confederation was forwarded originally by congress to the state legislatures, in many of which amendments were proposed, and those amendments were afterwards examined in congress. a motion was doubly expedient here, as the delegation of fo much more power was fought for. But it was negatived. I then expressed my unwillingness to fign. My reasons were the following:

1. It is faid in the refolutions, which accompany the constitution, that it is to be submitted to a convention of delegates, chosen in each state by the people thereof, for their affent and ratification. The meaning of these terms is allowed univerfally to be, that the convention must either adopt the constitution in the whole, or reject it in the whole, and is positively forbidden to amend. If therefore I had figned, I should have felt myself bound to be filent as to amendments, and to endeavour to support the constitution without the correction of a letter. With this confequence before my eyes, and with a determination to attempt an amendment, I was taught by a regard for confiftency not to fign.

2. My opinion always was, and still is, that every citizen of America, let the crifis be what it may. ought to have a full opportunity to propose through his representatives any amendment, which in his apprehension tends to the public welfare-By figning I should have contradict-

ed this fentiment.

3. A constitution ought to have the hearts of the people on its fide. But if at a future day it should be burdensome, after having been adopted in the whole, and they should infinuate, that it was in some measure forced upon them, by being confined to the fingle alternative of taking or rejecting it altogether, under my impressions and with my opinions I should not be able to jus-

tify myfelf had I figned.

4. I was always fatisfied, as I have now experienced, that this great fubject would be placed in new lights and attitudes by the criticism of the world, and that no man can affure himself, how a constitution will work for a course of years, until at least he shall have heard the observations of the people at large. I also fear more from inaccuracies in a constitution than from gross errors in any other composition; because our dearest interests are to be regulated by it, and power, if loofely given, especially where it will be interpreted with great latitude, may bring forrow in its execution. Had I figned with these ideas, I should have virtually thut my ears against the information which I ardently defired.

s. I was afraid, that if the constitution was to be submitted to the people, to be wholly adopted or wholly rejected by them, they would not only reject, but bid a lasting farewel to the union. This formidable event I wished to avert, by

keeping myfelf free to propose amendments, and thus, if possible, to remove the obstacles to an effectual government. But it will be asked, whether all these arguments were not well weighed in convention. They were, fir, and with great candour. Nay, when I called to mind the respectability of those with whom I was affociated, I almost lost confidence in these principles. other occasions I should chearfully have yielded to a majority; on this the fate of thousands, yet unborn, enjoined me not to yield, until I was convinced.

Again may I be asked, why the mode pointed out in the constitution for its amendment, may not be a sufficient fecurity against its imperfections, without now arresting it in its progress?—My answers are, 1. That it is better to amend, while we have the constitution in our power, while the passions of designing men are not yet enlisted, and while a bare majority of the states may amend, than to wait for the uncertain affent of three fourths of the states. 2. That a bad feature in government becomes more and more fixed every day. 3. That frequent changes of a constitution, even if practicable, ought not to be wished, but avoided as much as possible. And 4, that in the present case it may be questionable, whether, after the particular advantages of its operation shall be discerned, three-fourths of the states can be induced to amend.

I confess, that it is no easy task, to devise a scheme which shall be suitable to the views of all. Many expedients have occurred to me, but none of them appear less exceptionable than this, that if our convention should choose to amend, another federal convention be recommended; that in that federal convention the amendments proposed by this or any other state, be discussed; and if incorporated in the constitution or re-

jected, or if a proper number of the other states should be unwilling to accede to a second convention, the constitution be again laid before the same state conventions, which shall again assemble on the summons of the executives, and it shall be either wholly adopted, or wholly rejected without a further power of amendment. I count such a delay as nothing, in comparison with so grand an object; especially too as the privilege of amending must terminate after the use of it once.

I should now conclude this letter. which is already too long, were it not incumbent on me from having contended for amendments, to fet forth the particulars, which I conceive to require correction. I undertake this with reluctance; because it is remote from my in entions to catch the prejudices or preposfessions of any man. But as I mean only to manifest, that I have not been actuated by caprice, and now to explain every objection at full length would be an immenfe labour, I shall content myfelf with enumerating certain heads, in which the constitution is most repugnant to my wishes.

The two first points are the equality of suffrage in the senate, and the submission of commerce to a mere majority in the legislature, with no other check than the revision of the president. I conjecture that neither of these things can be corrected; and particularly the former; without which we must have risen perhaps in

disorder.

But I am fanguine in hoping, that in every other jutly obnoxious clause, Virginia will be seconded by a majority of the states. I hope that she will be seconded, 1. In causing all ambiguities of expression to be precisely explained: 2. In rendering the president ineligible after a given number of years; 3. In taking from him either the power of nominating to the judiciary offices, or of filling

up vacancies which therein may happen during the recess of the senate, by granting commissions which shall expire at the end of their next fellion: 4. In taking from him the power of pardoning for treason, at least before conviction: 5. In drawing a line between the powers of congress and individual flates; and in defining the former, so as to leave no clashing of jurisdictions, nor dangerous disputes: and to prevent the one from being fwallowed up by the other, under the cover of general words and implication: 6. in abridging the power of the senate to make treaties the supreme laws of the land: 7. in providing a tribunal instead of the senate for the impeachment of fenators: 8. in incapacitating the congress to determine their own falaries: and 9. in limiting and defining the judicial power.

The proper remedy must be configued to the wisdom of the convention: and the final step which Virginia shall pursue, if her overtures are discarded, must also rest with

them.

But as I affect neither mystery nor fubtilty in politics, I hefitate not to fay, that the most fervent prayer of my foul is the establishment of a firm, energetic government; that the most inveterate curse which can befal us, is a diffolution of the union; and that the prefent moment, if fuffered to pass away unemployed, can never be recalled. These were my opinions, while I acted as a delegate; they fway me, while I speak as a private citizen. I shall therefore cling to the union, as the rock of our falvation, and urge Virginia to finish the falutary work which she has begun. And if after our best efforts for amendments, they cannot be obtained, I scruple not to declare, (notwithstanding the advantage which such a declaration may give to the enemies of my proposal) that I will, as an individual citizen, accept the conftitution; because I will regulate myself by the spirit of America.

You will excuse me, fir, for having been thus tedious. My feelings and duty demanded this exposition: for through no other channel could I rescue my omission to fign from mistrepresentation, and in no more effectual way could I exhibit to the general assembly an unreserved history of my conduct.

I have the honour, fir, to be, with

great respect,

your most obedient servant,
EDMUND RANDOLPH.
The hone the speaker of the
honse of delegates.

At a meeting of a respectable number of inhabitants of the county of Chowan, and the town of Edenton, at the court-house in Edenton, on the 8th day of November, 1787, pursuant to an advertisement from their representatives in the general assembly—Thomas Benbury, esq. chairman—the following resolutions where unanimously agreed to.

RESOLVED, that in the opinion of this meeting, this state can have no prospect either of security or honour, but by a firm and indissoluble union with the other states in the confederation.

That the benefits derived from union were most remarkably and providentially displayed by the glorious and successful termination of a war, in which we were for a long time very unequally engaged, and have been no less apparent from the state of anarchy, distress and dishonour, to which we have been exposed since the peace, for want of a continental government of sufficient energy to answer all the purposes for which our confederation can be of any real use to us.

That in our prefent fituation, con-

grefs being without either money, credit or refources, (for the voluntary and unanimous concurrence of thirteen states in any one measure, we are now convinced, is a stitle dependence) it is full time, if we mean to be a united people, to establish such a government as can keep us together, otherwise that independence, which we have obtained so hardly, and prize so much, will pass away like a shadow, and we shall be numbered among the visionary and un-

happy of mankind.

That fuch being our fituation, and when we had almost despaired of any material and honourable change, we view with admiration and gratitude, a fystem formed by the unanimous conci grence of twelve states, which, magnanimously disdaining petty competitions of local and private interests, embraced with patriotic ardour, the great object of an united government, calculated, (to use their own excellent words) to establish juftice, infure domestic tranquility, provide for the common defence, promote the general welfare, and fecure the bleffings of liberty to ourfelves and our posterity.

That amidit other circumstances which fill our hearts with joy on this important occasion, we cannot confider with indifference the diffinguished part which our immortal general has taken in this great work, calculated to complete the happiness of which he laid the foundation; and we confider it as an act of providence, for which we ought to be particularly thankful, that he extended to fo late a period the valuable life of that venerable man, dr. Franklin, whose wisdom, fortitude, and perseverance had so great a share in establishing the peace and independence of our country.

That it is in vain for us to expect for any abler affiftance than that given by those and other illustrious characters in the late convention, whose de-

liberations appear to have been conducted with a degree of temper and affiduity fuited to the difficult task they were engaged in: and therefore we think every hour of delay, in carrying their propositions into effect, is unnecessary for any good purpose; and by continuing the present evils of imbecility, anarchy, and national dishonour, may endanger the loss of all those blessings, for the sake of which any government can be of the least use, and a free government must be of the greatest.

Refolved, therefore, that this meeting do earneftly defire that their members for this town and county, do use their utmost efforts to obtain a resolution of the general assembly, appointing the choice and meeting of representatives of the people, in a convention, pursuant to the recommendation of the late convention held at Philadelphia, in order to deliberate on the new constitution proposed; and that the time of holding the said convention be appointed on

as early a day as possible.

Refolved, also, that this meeting entertain a very grateful sense of the eminent services rendered to this state by its delegates in the late convention; and are in particular obliged to dr. Williamson for the able and useful information he has this day given on the subject of the new constitution proposed.

By order of the meeting, (figned)

THOMAS BENBURY, Ch.

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Edenton, November 12, 1787.

Address of the grand jury of Edenton.

WE, the grand jury for the diftrict of Edenton confidering the present as a very important criss in the affairs of America, and being

deeply fensible of the necessity of a firm and lasting union among the American states, to insure the common fafety and liberty of all, hope it will not be deemed prefuming in us, that we take this occasion to express our fentiments on the subject of the new constitution, proposed by the late respectable convention. We believe none can be fo ignorant as not to know, and we hope few are fo unfeeling as not to regret, the difordered and distracted state in which the affairs of the union have been for a long time past. No sooner was the danger of a common enemy removed, than the states immediately detached themselves from the general concerns of the whole, as if our future fate was out of the power of fortune. The confequence has been, our public debts unpaid, the treaty of peace unfulfilled on both fides, our commerce at the very verge of ruin, and all private industry at a stand, for want of an united vigorous government. Quotas demanded which we can never pay, and congress preferving merely the shadow of authority, without poffeifing one fubstantial property of power. These evils dictated the necessity of a change, and the fame happy expedient of an union of councils, which formed the confederation, was adopted to remedy its defects. Experience had pointed these out, and we believe it would be difficult to draw together in any country, a body of abler men than the persons appointed on this important occasion. They were not only able men, but entitled to the highest confidence which can be bestowed by any people upon illustrious and fuccessful leaders : and the same patriotism of character which formerly distinguished so many of them in the most trying scenes, was visible in the anxious and deep attention they employed on this momentous subject. A work coming from such men, after fuch long deliberation, is enti-Vol. III. No. I.

tled to the outmost respect, especially. as all the states assembled were unanimous, a circumstance that strongly shews the purity of their intentions. their fense of the absolute necessity that a new conflitution should be immediately formed, and that little fubordinate attentions to local interests, ought to give way to the great object of the general good. There is nothing we hold in greater difdain, nor is there any thing more inconfistent with common prudence, as well as the most ordinary share of public spirit, than that we should cavil about trifles when our all is at stake; that we should slight the prefent favourable opportunity, which may be the only one we may ever enjoy, to establish a free and energetic government, when we now lie at the mercy of the most inconsiderable enemy, and have an union in nothing but in name. We admire in the new constitution, a proper jealoufy of liberty mixed with a due regard to the necessity of a strong authoritative government. Such a one is as requifite for a confederated, as for a fingle government, fince it would not be more ridiculous or futile for our own affembly to depend for a fanction to its laws on an unanimous concurrence of all the counties in the state, than for congress to depend for any necessary exertion of power on the unanimous concurrence of all the states in the union. One weak, corrupted, or unprincipled flate might in fuch a case destroy the This evil, the effect of which we have already felt, is, in our opinion, happily remedied by the constitution proposed, with an advantage, in addition, of a popular representative of the people at large accompanied with useful checks to guard against possible abuses. It is alfo a part of the constitution that we observe with particular pleasure, that nine states may at any time make alterations, fo that any changes, which

experience may point out, can be made without the danger of fuch calamities as are incident upon changes of government in all other countries, where they can be only brought about by a civil war. Nor can we avoid dwelling with delight upon those many provisions, calculated to make us as much one people as poffible, and to impress upon the minds of all, that useful and important truth, that our strength consists in union, and nothing can hurt us but May this great truth, so important for us, fo formidable to our enemies, rest upon the minds of all well wishers to their country, asthe watch-word of American liberty and fafety! The various attempts that were made to divide us during the war, and the danger of fimilar efforts being used on the present occasion to make us distrust our best and ablest characters, ought to put us upon our guard that we may not fuffer ourselves to be the dupes of an insidious policy working for our def-But we trust in God, that the fame all-powerful providence, which has hitherto fo wonderfully preserved us, will still continue to protect us from the machinations of all our enemies, internal and external; and that by a wife use of the vast advantages in our possession, this country may become, as it feems deftined to be, an afylum for all the oppressed upon the globe.

Entertaining these sentiments, which the warmth of our feelings hath carried to a greater length than we intended, we most earnestly wish that the general assembly may appoint the meeting of a convention on as early a day as possible, that no reproach of unnecessary delay may lie on us, when, in all human probability, upon our speedy adoption or rejection of this constitution it may depend, whether we shall be truly a nation happy in ourselves, and respected by the rest of mankind, or an

inconfiderable fcattered people, perpetually driving to and fro, in fearch of a perfection which never can be found; amufing ourfelves with vifionary ideas, when we might be enjoying real bleffings, and at length doomed to feel the curfe of all human discontent, the confciousness that by rejecting the means providence hath put in our power, we had become both wretched and contemptible.

Wm. Bennet, foreman,	J. Brocket.
C. Clark,	J. Rijcoe,
T. Taylor,	L. Lravis,
J. Frizel,	J. Wood,
A. Norstreet,	R. Gray,
W. Righton,	E. Moore,
F. Toms,	J. Perry,
J. Horne,	H. Hill,
R. Boyd,	E. Cook.

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At a meeting of fundry respectable inhabitants of the county of Northampton, held at Easton, the 20th day of December, 1787, Alexander Pasteryon, esq. in the chair.

THE meeting took into confideration the report made to the people of this county by their deputies to the flate convention. Whereupon,

Refolved unanimously, first, That we highly approve of the conduct of our deputies in affenting to and ratifying the constitution of the united states, as proposed by the late federal convention.

Second, That the chairman he requested to return our hearty thanks to the said deputies, for their patriotism, public spirit, and faithful discharge of their duty, as representatives of this county.

Third, That their report, together with these resolutions, be transmitted by the chairman to Philadelphia, for publication.

Signed, by order of the meeting, ALEX. PATTERSON, Ch.

Report of the deputies of Northampton county, in the late convention of the flate of Pennfylvania.

Friends and fellow citizens of Northampton county,

THE representatives of this county in the late convention of this state think it their duty, as servants of the public, to lay before you, their constituents, the result of their deliberations upon the new constitution for the united states, submitted to their consideration by a resolve of the legislature for calling a state convention.

The debates at large we have reafon to expect will be published, wherein those, whose inclination may lead them to it, will find a detail of all the arguments made use of either for or against the adoption of the conditution. Our intention, therefore, is not to enter fully into an investigation of the component parts of it, but only to inform our condituents that it has been carefully examined in all its parts; that every objection that could be offered to it has been heard and attended to; and that upon mature deliberation, two thirds of the whole number of deputies from the city and counties in this state have, in the name and by the authority of the people of this thate, fully ratified it, upon the most clear conviction,

1st. That the state of America required a concentration and union of the powers of government for all general purposes of the united states.

adly. That the conditution proposed by the late convention of the united states, held at Philadelphia, was the best form that could be devised and agreed upon.

3dly. That fuch a conflitution will enable the representatives of the different states in the union to restore the commerce of all the states in general, and this in particular, to its former prosperity.

4thly. That by a diminution of taxes upon real estates, agriculture may be encouraged, and the prices of lands, which have of late greatly declined, will be increased to their former value.

5thly. That by imposing duties on foreign luxuries, not only arts and manufactures will be encouraged in our own country; but the public creditors of this state and the united states will be rendered secure in their demands, without any perceptible burden on the people.

6thly. That all disputes which might otherwise arise, concerning territory or jurisdiction, between neighbouring states, will be settled in the ordinary mode of distributing justice, without war or bloodshed.

7thly. That the support of government will be less expensive than under the present constitutions of the different states.

8thly. That all partial laws of any particular state for the defeating contracts between parties, or rendering the compliance therewith on one part easier than was originally intended, and fraudulent to the other party, are essectially provided against, by a prohibition of paper money and tender laws. And

othly. That peace, liberty and fafety, the great objects for which the late united colonies, now free independent states, expended so much blood and treasure, can only be secured by such an union of interests as this constitution has provided for.

In full confidence that our unanimous conviction and concurrence in favour of this constitution will meet the entire approbation of our constituents, the freemen and citizens of this county, we have the honour to subscribe ourselves, their devoted fervants,

John Arndt,
Enfton, Dec. 20, Stephen Balliot,
1787. Joseph Horsefield,
David Deshler.

RESOLUTIONS of the tradefmen of the town of Boston.

Boston, January 7, 1788.

HEREAS fome persons, intending to injure the reputation of the tradesimen of this town, have afferted, that they were unfriendly and adverse to the adoption of the constitution of the united states of America, as proposed on the 17th September last, by the convention of the united states affembled in Philadelphia. Therefore, to manifest the fassenbod of such affertions, and to discover to the world our sent timents of the proposed frame of government, Be it RESOLVED.

1. THAT fuch affertions are false and groundless; and it is the sense of this body, that all those, who propagate such reports, have no other view than the injury of our reputation, or the attainment of their own wicked purposes, on base and false

grounds.

2. THAT in the judgment of this body, the proposed frame of government is well calculated to secure the liberties, protect the property, and guard the rights of the citizens of America; and it is our warmest wish and prayer that the same should be adopted by this commonwealth.

3. THAT it is our opinion, if faid constitution should be adopted by the united states of America, trade and navigation will revive and increase, employ and subsistence will be afforded to many of our townsmen, who are now suffering for want of the necessaries of life; that it will promote industry and morality; render us respectable as a nation; and procure us all the blessings to which we are entitled from the natural wealth of our country, our capacity for improvement, from our industry, our freedom and independence.

4. THAT it is the fense of this body, that if the proposed frame of government should be rejected, the

fmall remains of commerce yet left us, will be annihilated, the various trades and handicrafts dependent thereon, must decay; our poor will be increased, and many of our worthy and skilful mechanics compelled to seek employ and subsistence in strange lands.

5. THAT, in the late election of delegates to represent this town in convention, it was our defign, and [in] the opinion of this body, the defign of every good man in town, to elect fuch men, and fuch only, as would exert their utmost ability to promote the adoption of the proposed frame of government in all its parts, without any conditions, pretended amendments, or alterations whatever: and that fuch, and fuch only, will truly represent the feelings, wishes, and defires of their constituents: and if any of the delegates of this town should oppose the adoption of said frame of government in gross, or under pretence of making amendments, or alterations of any kind, or of annexing conditions to their acceptance, fuch delegate or delegates will act contrary to the best interests, the strongest feelings, and warmest wishes of the tradesmen of the town of Boston.

JOHN LUCAS, per order.

Extract of a letter from his excellency general Washington, to a friend in Fredericsburgh.

....

Thank you for your kind congratulation on my fafe return from the convention, and am pleafed that the proceedings of it have met your approbation.—My decided opinion of the matter is, that there is no alternative between the adoption of it and anarchy. If one state (however important it may conceive itself to be) or a minority of them, should suppose that they can dictate

a constitution to the union (unless they have the power of applying the ultima ratio to good effect) they will find themselves deceived. All the opposition to it that I have yet seen, is, I must confess, addressed more to the passions than to reason; and clear I am, if another federal convention is attempted, that the fentiments of the members will be more discordant, or less accommodating than the last. In fine, they will agree upon no general plan. General government is now fuspended by a thread. I might go further, and fay, it is really at an end, and what will be the consequence of a fruitless attempt to amend the one which is offered, before it is tried, or of the delay from the attempt, does not in my judgment need the gift of prophecy to predict.

"I am not a blind admirer (for I faw the imperfections of the constitution I aided in the birth of before it was handed to the public): but I am fully persuaded it is the best that can be obtained at this time; that it is free from many of the impersections with which it is charged; and that it, or disunion, is before us at the choose from. If the first is our election, when the defects of it are experienced, a constitutional door is opened for amendments, and may be adopted in a peacealle manner, with-

out tumult or diforder."

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Antifederal arguments.

Argument I.

IT has been published to the people, that dr. Franklin was opposed to the constitution, and consented to fign it merely as a witness.

Answer.

Doctor Franklin, in his speech, affigning his reasons for agreeing to the constitution, says, "I hope, therefore, that for our sakes, as a part of the people, and for the sake of our

posterity, we shall act heartily and unanimously in recommending this constitution, wherever our influence may extend."

II.

It has been published, that mr. Jay had changed his opinion, and affirmed the new constitution to be the most artful trap that had ever been laid to catch the liberties of mankind.

Ansaver.

Mr. Jay, in his letter to mr. Vaughan, of Philadelphia, fays, "You have my authority to deny the change of fentiment it imputes to me, and to declare that, in my opinion, it is advifable for the people of America to adopt the constitution proposed by late convention."

II.

It is afferted, that mr. Elfworth, of Connecticut, withdrew from the convention.

Answer.

Mr. Elfworth and mr. Sherman, in their joint letter, enclosing the constitution to their legislature, fay, "We wish it may meet the approbation of the several states, and be the means of securing their rights, and lengthening out their tranquility."

IV.

Mr. Richard Henry Lee, in a letter to the governor of Virginia, fays, "It has hitherto been supposed a fundamental maxim, that in governments rightly balanced, the different branches of the legislature should be unconnected, and that the legislative and executive powers, should be separate."

Answer.

In the British constitution, which is thought to be the best balanced in the world, the legislative and executive powers are not separate. Montesquieu, speaking on this subject, says, the executive power ought to have a share in the legislature, by the power of rejecting; otherwise it would soon be stripped of its prerogative.

Mr. Richard Henry Lee fays, in the fame publication, "the prefident is for four years duration, and Virginia (for example) has one vote of thirteen in the choice of him, and this thirteenth vote not of the people, but electors, two removes from the people."

Anfwer.

By the constitution, the president is to be chosen by ninety-one electors, each having one vote: of this number Virginia has twelve, fo that, inflead of the thirteenth vote in the choice of president, Virginia (for example) has somewhat more than an eighth.

The conflitution also admits of the people choosing the electors, so that the electors may be only one remove

from the people.

It is also said by mr. Richard Henry Lee, that the people of this country have thought a bill of rights necessary to regulate the exercise of the great power given to their rulers, as appears by the various bills or declarations of rights, whereon the governments of the greater number of the states are founded.

Anfav r.

Only five states appear, by the book of constitutions, to have a bill of rights, which are the leffer number of flates.

To the hon. Richard Henry Lee, efq.

Sir.

YOUR name has been given to the people of America, in a letter to the governor of Virginia, with a number of observations of the utmost importance to the public happinefs. Authorized by this circum-Hance, and the privileges of an American citizen, I have undertaken to address you. Though my want of information and the necessary talents may prevent my doing complete juf-

tice to the particular point which I mean to investigate, I promise you the respect due to your character, and to the honourable employments you have held in the service of our common country. Should I fuggest to you or any other fellow citizen, facts and confiderations jufficient to remove this objection to the federal constitution, my wishes will be ful-At all events, however, I fhall avail myfelf of the attention which your name will infure to my address, and will carry it, by that advantage, to the minds of our coun-

The power of enacting commercial laws by "a bare majority" of the congressional legislature, appears to be a principal objection in your view of the subject; and, if I am rightly informed, it is confidered in the fame light by the two honourable Virginians, who withheld their names from the act of the federal convention. Such names, fir, and objections, upon fo grand a point, it is not my intention to treat lightly; yet your remarks must be dispanionately canvaffed, without any undue respect to the eminent characters that fuggest or

support them.

In order to afcertain in what manner the legislative powers of the united states will be exercised on the commercial fubject, it will be necesfary to trace the federal legislature up to its feveral fources. You speak of the supposed danger from this power of congress as an object of peculiar apprehension to the five southern states, from whence I presume, and I hope not unfairly, that you concur with me in confidering their true interests as decidedly agricultural—and in believing that the federal legislature, whether in one branch or in the other, fo far as it shall be conftituted by them, will be duly attentive to the landed interests of America, and cautious against any injurious measures which may be attempted by

the mercantile representatives. Your candour will readily grant, that to those five southern states, we may add Delaware and New-Jersey, two states the most absolutely agricultural of any in the union by reason of the adjacent situations of Philadelphia and New York.

Before we proceed to confider the true leading interest, and views of the fix remaining members of our confederacy; let us remember, that upon your own statement, and the evidence of fasts, it is clearly ettablished, that in the senate of America, we shall always be certain of a majority of two devoted to her landed interests, and in the house of representatives of a majority of three; for Georgia, the Carolinas, Virginia, Maryland, Delaware and Jerfey are to fend fourteen votes to the fenate, which has twenty-fix members, and thirty-four to the federal house of representatives, whose whole number is fixty-five. The erection of Kentucke and Vermont, which appears certain, into independent governments, the increasing population of the western parts of the Atlantic states, and the establishment of new members of the union on the lands of congress, will all operate to lessen the weight of the fix states, in regard to which your apprehension exists, and will increase that preponderancy which we fee the other seven already possess.

Let us now turn our cool, but close, attention to those six states, from whose supposed views and interests these apprehensions arise. As Pennsylvania enjoys as great a share of foreign commerce as any one of the number, and as her true situation is the most minutely known to me, I will begin there. The city of Philadelphia, the centre of our commerce, or rather its only mart, sends five members to our state legislature. The district of Southwark has always weight enough to nominate one

member of the county of Philadelphia; and that part of the northern liberties, which joins the city, has always the opportunity of nominating another county member. These form the whole commercial representation in our affembly, upon the most exaggerated statement. Seven persons only in a house, which confifts of fixty-nine members a little more than one tenth of the body. There is not in this commonwealth, nor can there ever be, another fea port. Refiding out of Philadelphia, and its above appurtenances, there is not one merchant. But the tree is ever best known by its fruits. majority of the Pennsylvania members of congress, elected by the ballors of our legislature, are not commercial men. Of our delegates for the last year, and of our delegates for the current year, four out of five in each appointment have not the smallest interest in trade. The fifth, in each year, we find to be the prior of a respectable mercantile house; but though his property in trade must be very confiderable, and his commercial connexions are certainly extenfive, it is equally certain that his landed estate, and his monies in our public funds, are, each, greater in amount than his capital in trade. It is also a well known fact, that the most influential merchants of Pennfylvania are very capital land-holders in the various counties of this state, and of those adjacent, from Virginia to New York, inclusive. To such a degree are they connected with the agricultural interest, that I will venture to affert in this paper, which is to be published under their eyes; that the property employed by them, (taken collectively), in every species of commerce, is very far short of the value of their landed effates. How different from these are the circumstances of the merchants of Holland. France, or even of Great Britainyet how unavailing is the influence

of the representatives of the trading and manufacturing towns in that commercial country, when the landed gentlemen unite against them !-We know that on those occasions, when contests arise in our legislature between the agricultural and commercial members, the latter are ever obliged to yield to the irrefiftible power of the landed interest: and from the construction of the house, which is truly stated in this letter, as well as from the unalterable nature of things in Pennfylvania, this must ever be the case. The importance of our commerce is well underflood, but its most fincere and powerful friends admit, and even affert the superior importance of agriculture.

Omitting, at this time, to fay any thing of Connecticut, Rhode Island, and New Hampshire, as less extensive in commerce than New York and Massachusetts, I will venture to affirm, without detailing the fituation of the two latter states, that the comparative weight of their merchants is very much the fame, when opposed to their country gentlemen, as has been stated in respect to Pennsylvania. little more or less it must necessarily be; but the difference is very greatly in favour of their farmers-If a doubt can exist in regard to either of, them, it must be with respect to Massachusetts: but that will vanish, when we remember their great fuperiority over this state, in the number of free white inhabitants.

By way of general review of this fubject, I shall give you the substance, and nearly the words, of a late publication on "the principles of a commercial system for the united states," addressed to the federal convention, during their late sitting, by a merchant (not a landholder) of Philadelphia.

"Just opinions on our general affairs, must necessarily precede such a wise system of commercial regulations, as will extend our trade as far as it can be carried, without affecting unfavourably our other weighty interests. It may, therefore, be useful to take a comparative view of the two most important objects in the united states—our agriculture and commerce.

"In a country blessed with a fertile foil, and a climate admitting steady labour, where the cheapness of land tempts the European from his home, and the manufacturer from his trade, we are led, by a few moments of reslection, to fix on agriculture as the great leading interest. From this we shall find most of our advantages result, so far as they arise from the nature of our affairs, and where they are not produced by the coecion of laws: the fisheries are the prin-

cipal exception.

" In order to make a true estimate of the magnitude of agriculture, we must remember, that it is encouraged by few or no duties on the importation of rival produce that, with a fmall exception in favour of our fisheries, it furnishes outward cargoes not only for all our own ships, but those also which foreign nations fend to our ports, or, in other words, that it pays for all our importations; that it supplies a part of the clothing of our people, and the food of them and their cattle; that what is confumed at home, including the materials for manufacturing, is four or five times the value of what is exported; that the number of people employed in agriculture, is at least nine parts in ten of the inhabitants of America; that therefore the planters and farmers form the body of the militia, the bulwark of the nation; that the value of property occupied by agriculture, is manifold greater than that of the property employed in any other way; that the settlement of our waste lands, and fubdividing our improved farms, is every year increasing the pre-eminence of the agricultural interest; that the resources we derive from it, are at all times certain and indispensibly necessary; and lastly, that the rural life promotes health and morality by its active nature, and by keeping our people from the luxurics and vices of the towns. In short, agriculture appears to be the spring of our commerce, and the parent of our manufactures.

"The commerce of America, including our exports, imports, shipping, manufactures, and fisheries, may be properly confidered as forming one interest. So uninformed and mistaken have many of us been, that it has been stated as the greatest object in our affairs, and I fear it is yet believed by some to be the most important interest of New England. But from the best calculations I have been abie to make, I cannot raise the proportion of property, or the number of men employed in manufactures, fisheries, navigation, trade, to one eighth of the property and people occupied by agriculture, even in that commercial quarter of In making this estimate, the union. I have deducted fomething from the value and population of the large towns, for the idle and diffipated, for those who live upon their incomes, and for supernumerary domestic servants. But the disproportion is much greater, taking the union at large: for feveral of the states have little commerce, and no manufactures—others have no commerce. and scarcely manufacture any thing. The timber, iron, cordage, and many other articles necessary for building ships to fish or trade—nine parts in ten of their cargoes-the fubfiftence of the manufacturers, much of their raw materials-are the produce of our lands. In almost all of the countries of Europe, judicious writers have confidered commerce as the handmaid of agriculture. true there, with us it must be unques-

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tionable, for we have few manufactories to throw into the scale against the landed interest. We have in our lands full employment for our prefent inhabitants; and instead of fending colonies to new discovered islands, we have adjoining townships and counties, whose vacant fields await the future increase of our people.

" As a comparative view of the importance of our various interests. thus terminates in a decided and great superiority of agriculture over all the rest combined—as emigration and natural increase are daily adding to the number of our planters and farmers—as the states are possessed of millions of vacant acres, that court the cultivator's hand—as the fettlement of these immense tracts will greatly and fleadily increase the objects of taxation, the resources, the powers of the country—as they will prove an inherent treasure, of which neither folly nor chance can deprive us, we should be careful to do nothing that can interrupt this happy progress of our affairs. But should we. from a misconception of our true interests, or from any other cause, form a fystem of commercial regulations, prejudicial to this great mass of property, to this great body of the people, we shall injure our country a during the continuance of the error. and must finally adopt a plan which will promote that evident, most important, and effential interest-the agriculture of the united states."

Here, fir, let us pause a moment. Let us consider with that candour, which I am sure you love, and which the interesting nature of the subject requires, the foregoing facts and observations. Two conclusions, it appears to me, will inevitably result from them in a mind as just and enlightened as yours; 1st, that since there is no state legislature in our consederacy, wherein the landed gentlemen will not at all times form a

great and commanding majority, and as there are fome in which a commercial interest is entirely unknown, fo there is an unquestionable certainty that much the greater part of the federal fenate, whom they are to depute, will be always attached to the agricultural interest; and 2ndly, as there is no state in the union in which the planters or farmers do not form an irrefistable majority of the people at large, and as there are fome in which a permanent mercantile house is not to be found, so there is alfo an indubitable certainty, that much the greater part of the federal representatives will be always devoted to the landed interest of the united

But, fir, let us proceed to your next difficulty on this point. ask, how are you to build ships in your commonwealth, and from whence are you to procure feamen? I will venture to promife you as many Virginia built ships as yon can profitably employ, on as low terms as they can be built in Philadelphia or New York. There is nothing in our commerce more certain; and the merchants of this city know it from the experience of real facts. The port of Philadelphia has ever had, among the veffels belonging to it, great numbers built in the other states, the fouthern as well as the northern. In regard to feamen, Pennfylvania has few natives in that Certain employment, and a little higher wages, will draw them to Virginia from New England, the West Indies, and Europe, as they have always drawn them to Philadel-

With respect to the shipping of America, I am very doubtful whether the merchants of those states, that have not large and valuable exports, will continue to own vessels in any great numbers. Many will, no doubt, be built there; but when our country and our commerce are once

more brought to order, the merchants refiding at the great scenes of export, will find it profitable and convenient to purchase or build ships, by which the northern owner will be fo far interfered with. I will venture, therefore, to predict, that however cheap veffels may be hereafter in New England, there will be many built on the waters of the Chesapeak, and very many owned by the merchants residing on them. Already is the matter arrived to fuch a point, that few men defire to be the permanent owners of vessels in the New England states. That country has been much deceived by looking to the example of Holland, to produce whose commercial aggrandizement many circumstances conspired, that do not exist at this time, and which can never take place in America. That province was an afylum of religious liberty, or at least of toleration, for the oppressed people of the furrounding nations, a point on which all our states must be happy and equal, as long as no religious test is necessary to a share in our federal government. Holland was also an afylum of political liberty, in regard to which the fouthern states will be on a footing with the north-The Dutch lived amongst furrounding nations, who, in the early days of their republic, paid no regard to commerce; whereas every state in America views it with an eager, defiring eye, and purfues it to the utmost of her power. And lastly, the Dutch provinces had, by various means, amaffed fo large a monied capital, and obtained fuch a footing in regard to foreign colonies, neceffary in the European trade, before the importance of commerce was difcovered by their neighbours, that it was impossible to contend with the mighty force of the first, or to deprive them of their strong hold of the last. This you know, fir, was the situation of Holland; but in the

affairs of the united states, foreign colonies, subservient to commerce, must for a long time remain not even a matter of expectation or defire: and if ever the time shall arrive when the American confederacy will possess fuch dependencies, they must be equally accessible to the vessels of the fouthern states, and to those of With respect to a the northern. powerful monied capital, the value of their productions must, with the fame republican habits and manners, give our fouthern citizens a decided fuperiority over their northern brethren.

The steady and unalterable course of events is daily increasing the weight of agriculture, and of the fouthern states. If we cast our eyes upon a map of America, we shall instantly perceive, that even the unfettled parts of Virginia, the Carolinas, and Georgia, greatly exceed the whole country of New England. Emigration to the eastern states never takes place, but from thence it constantly does; and will keep down their numbers; while, by that very circumstance, as well as by emigration from Europe, will the people of the western and fouthern country increase and multiply, carrying annually to a greater degree the eftablished preponderancy of agricul-ture, and throwing still greater weight into the fouthern scale.

The apprehensions you entertain, concerning the interference of the commercial with the agricultural interests of the united states, ought not to have been reserved. I rejoice at your explicit declaration of them, because I hope it may lead those, whose particular duty it is, to give the subject a thorough investigation, which I considently trust will terminate in the total dissipation of their

I have the honour to be, with very great respect, &c. An AMERICAN. Law case.—Court of common pleas,
Charleston.

Saunders versus Brisbane.

N the 25th of May 1785, came on in the court of common pleas in Charleston, a special action brought at the instance of mrs. Ann Saunders, against mr. Brisbane, sheriff to the board of police held in that city in British times. The case appeared to be, that mrs. Saunders fold three negroes to a mr. Lahiffe for upwards of gool. This fum being reduced (according to the then scale of depreciation) to something about 1001. sterling, a bond was given for the amount. To enforce the payment of interest, the plaintiff was obliged to have recourse to the board of police, in which court she obtained a judgment against mr. Lahisse for 91. 16s. This judgment was given to the sheriff, by authority of which he feized upon a negro of mr. Lahiffe; but the plaintiff having no other intention in inflituting the fuit than to flay property, expressly enjoined the sheriff not to proceed to fale. This order he did not think proper to comply with, and fold a valuable negro, for the low price of 27 guineas. In 1784, mrs. Saunders, being ignorant of the fale, brought a fecond action against mr. Lahiffe in the court of common pleas, when Lahiffe proved the great injury done to him by this fale, and pleaded, that altho' the negro had been fold under the order of the board of police, at a far inferior price to his value, yet that he should be allowed to discount his full worth on the bond given to mrs. Saunders. Of this opinion were the jury, and estimated his worth at 70l. The balance in favour of the plaintiff then was five pounds, for which fum they gave a verdict. In this distressing situation, mrs. Saunders had no remedy left but the prefent action. Mr. Attorney

General, as counsel for the defendant, contended that it was a rule in law, that a man who received money for another could not be called upon for more than what he had received. the prefent case, whatever ill consequences had happened to mr. Lahiffe, must be fet out of the question, or, if kept in view, must be imputed to mrs. Saunders, who had brought the first suit; the sheriff had only acted as her agent, or as the servant of the board of police; it was exceedingly hard that he should now be called upon to pay more than he had received for the negro—this fum of 27 guineas he was ready to account for. With respect to the sale taking place in contradiction to the plaintiff's orders, the reason was, that another attachment had been issued against the fellow-mr. Lahiffe had left the place, and there were circumstances which led to a belief, that the fellow would follow his master. Mr. Frafer, counsel for the plaintiff, said, that the jury were bound by the principles of justice, of equity, and of law, to find a verdict for his clientfhe had done nothing reprehensible; and yet, without they interpofed in her behalf, fne must feverely fuffer. He hoped they would not only give a verdict for the full value of what she had lost in the fuit against Lahiffe, but also allow interest up to present time. The court thought the action was well laid, and that the only point was to afcertain the quantum of damages, which lay in the breafts of the jury, who gave a verdict of thirty pounds in favour of the plaintiff.

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Law report.—Court of king's bench, London, June 5, 1787.

Hay versus Haldimand.

THIS was an action of trespass and false imprisonment, brought

by the plaintiff, mr. Charles Hay, a wine cooper of Quebec, against far Frederick Haldimand, as governor of that province, for arresting him on sufficient of high treason, as a man disaffected to the king's government and measures, during the late disputes with America, and confining him in a loathsome cell, during the space of three years and sixteen days.

Mr. Bearcroft, for the plaintiff, proved the warrant of commitment, dated April 10, 1780, figned by H. S. Crummey, by order of his excellency the governor; and the term of imprisonment was candidly admitted

by the other fide.

Mr. Arthur Murphy, on the fame fide with mr. Bearcoft, examined feveral witnesses, particularly Hector M'Cawly, who proved that the plaintiff was arrested and sent to the prevost, the military prison, 16 feet by 24, with seven other prisoners, the filth and nastiness of which was so excessive, that the plaintist's health was confiderably impaired; that all access to him was denied; only that his wife could procure an interview by means of difguifing herfelf in the habit of a Canadian woman-it was also in evidence, that for a considerable length of time the prisoners were obliged to perform the necessities of nature in a large tub, which flood in one corner of the room.

Several depositions also were read, which proved, that at the siege of Quebec, mr. Hay had resused to take an active part in defending the place, and had with many other gentlemen, on the governor's proclamation for that purpose, retired from the city

The profecutor's case being thus

proved,

Mr. Erskine for the defendant, made a most animated speech. He represented fir Fredrick Haldimand as a foreigner employed by his majesty in a war of much difficulty; who, with the exception of a few sovereign

princes, was the only foreigner who ever obtained any title in this country; and who deferved it the more, as the only province now remaining, but of our extensive empire in America was preferved by the activity, and meritorious fervices of this foreigner, who was the defendant in the present action .- His majesty had intrufted him, with the fullest powers, not only military but civil, which would be a sufficient justification against the process now depending. But independent of the authority with which he was invested, and the circumstances which led him to the proceeding, he hoped the jury would in the first instance reslect on what would be the reasoning of every officer in future, when his personal fecurity was opposed to that of the state. It was not to be imagined, that every officer was fufficiently a lawyer to know what may be the point of law in every part of his conduct; nor would it be very advisable to make it a necessary consideration for a general, under great exigencies, to reflect how the measures he might be inclined to take, would be approved of by a jury at Guildhall. Waving, however, any defence of that kind, he would rest it chiefly on the discretion and authority which his majesty's commission afforded the defendant; and would contend, that fir Frederick Haldimand was not only justifiable, but extremely meritorious, in what he had done.

He then produced general M-Lean, as a witnefs, who proved, that on the prospect of Quebec being besieged by general Arnold, he, as deputy governor, had summoned the inhabitants, and had required their assistance to defend the place; that mr. Hay, among others, had resused so to do; that some time after this, two men were apprehended in the woods, one of whom, Kenny, appeared to be a servant to mr. Hay; that two

bills for 150l. with a letter of credit to a mr. Cruded, were found upon Kenny, with a certificate from his old master, of his fidelity and fervice, couched in very equivocal and it he, general ambiguous terms; M'Lean, had transmitted this intelligence to general Haldimand, with his fuspicions that the certificate in question was calculated only for the purpose of recommending him to the Americans, the better to foment a difposition which then subsisted of joining the American and French army, to reduce Quebec. And a variety of other minute circumstances fully proved that mr. Hay very much difapproved of the American war; but no evidence of absolute disloyalty was given against him.

Sir H. Clinton confirmed the account of the province of Canada being threatened with an attack from the French and Americans conjunctively, at the time of this imprison-

ment.

General Robertson's testimony

went to the fame import.

The whole evidence being closed,

Mr. Bearcroft replied to mr. Erskine, and stated that the conduct of general Haldimand, however injudicious, was by no means to be confidered as intentionally wrong. He also admitted, that he was invested with a commission of civil as well as military authority; but he at the fame time contended, that at the very time this violence was committed, the province of Canada was in the most profound peace; the act for fuspending the habeas corpus act was fully expired, and there was no legal ground whatever for committing the plaintiff. Nor was there any power to be delegated from the constitutional privileges of England, which could authorife fuch a commitment as that under which the plaintiff was confined, of "being in custody till further orders." He defied his opponents to mention any act, which could justify fuch a proceeding, under any enquiry—and the more fo, as there was no legal proof of even fufficient ground for sufficient of

misconduct in mr. Hay,

Judge Buller, in his charge to the jury, faid it admitted of no dispute, but that the defendant was invested, by his commission, with powers as well civil as military, but confidered it at the fame time equally evident, that in the present transaction he acted folely in his civil capacity. He was equally fenfible, that there was no law which could justify fuch a commitment as that which affected the plaintiff; nor was the defendant, in his civil capacity, admitted to receive any other suspicion to justify a commitment, but what was given on oath-a requisite, which, in this cafe, was wholly dispensed with. The only question, then, for the jury, was, whether the ground was laid ftrong; which, after recapitulating the various points of evidence, appeared to him by no means to be the case. He recommended, notwithstanding, that the jury might take into their consideration, the motives on which the general acted, which certainly were good ones; and, therefore, without confidering whether he had any chance of being reimburfed by the public or not, they should pay some attention to his motives, in the damages they might award, should they give a verdict for the plaintiff.

The jury, after a little consideration, gave a verdict of 2001. dama-

ges, against the defendant.

Letter on the culture of filk.

To the editor of the Museum,

I Am not a little pleased, fir, to perceive the public attention

turned towards the increase of our manufactures, and especially to learn what noble efforts are about to be made in Connecticut * for the refurrection and multiplication of filk. Your correspondent very justly obferves that it is a most capital object. A former governor of Connecticut clothed himself and his family in filk, produced at home. Georgia reckons it one of her staple commodities, and that the middle states are fit for it, is abundantly proved by the enclosed authentic lift of cocoons, created merely by the exertion of found fense in individuals, unaided by any public co-operation, which I fend to be recorded in your useful repository, Other articles meriting ferious regard, are the cultivation, in large quantities, of the myrtle wax shrub (myrica cerifera foliis lanceolatis subserratis caule arborescente) so suitable to the sandy grounds of New Jersey. Bees wax, too, might, without much trouble or expence, be made a confiderable head of exportation, now the method is known of taking honey without killing the bees. Indigo, the richest gem of Carolina, succeeds well in Jersey and Pennsylvania, and even grows spontaneously. Cotton ripens there sufficiently, and is easily cultivated. Foreign sheep ought to be procured to improve the present breed. The Ancona hemp, or rather a tall strong flax, is reported as superior to any other fort. Our farmers should introduce foreign grasses, such as fainfoin for light fandy lands, lucerne for rich foils; and it is high time to abandon the unprofitable practice of fallowing their fields, or letting them lie idle for three or four years.

NOTE.

* See American Museum, for October, 1787, page 354—-355.

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An account of the cocoons (or filk balls)	Purchased from July 4th, to July 10th,
purchased at the filature on Philadel-	1771.
phia during the summer of the year	lb. oz.
1771, taken from the original laid	Of John Shivers, Jersey, 10
before the affembly of New Jersey,	Of Mary Wood, Jersey 29
by the managers, in December, 1771.	Of Ann Cochran, Darby, 25 12
5) ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Of Mary Longstreath, Phi.c. 17
From June 25th, to July 3d, 1771.	Of Rebecca Worrel, Philad. 6
110m June 25m, 10 July 5m, - 1/11	Of Mary Lush, Philadel. 29
lb. oz.	Of Rachael Hays, Darby, 13 12
Of fundry perfons, 71 8	Of Mary Ofler, Jersey, 6 8
Of ditto, 29	Of Jas. Millhouse, Chester c. 52
Of ditto	Of Eliz. Roberts, Philad. c. 1
Of John Roberts, Philadel-	
phia county, 2 12	Of Isaac Newton, Jersey, 4 10
Of John Burgess, Bucks, 13	Of Hannah Ferimore, Jersey, 8
Of Edward Gibbs, Jersey, 27 4	Of Caleb Johnson, Lacaster, 44.
Of Joseph Lippincott, Jersey, 6 1	Of Mary Shoemaker, Phila. 14 6
Of Moles Patterson, Kent on	Of Hannah Brown, Jersey, 14
Delaware, 40 6	Of Robert Carle, Pennsylva. 2 12
Of James Barns, Bucks co. 10	Of Mary Richarson, ditto, 3 11
Of Rachael Perry, do, 24 8	Of Elizabeth Patton, ditto, 23 4
Of Grace Beale, Chester co. 4 11	Of Titus Fell, Bucks county, 96
Of Rhoda Hibbert, Jersey, 2 8	Of Eliz. Roberts, Philad. co. 1 8
Of Thomas Dutton, do, 21 9	Of Ann Davis, Chester co. 2 15
Of William Hall, Philadel. 10	Of Elizabeth Bonfal, ditto, 7
Of John Bigonie, Philad. co. 52 2	Of Mary Davis, ditto, 2 4
Of Mary Parker, Darby, 10	Of Sarah Dicks, ditto, 47 10
Of Grace Fish, Jersey, 44	Of John Etwine, North-
Of Isaac Hornor, do, 13	
	of Francis Miller, Phila. co. 13.13
Of Elizabeth Atkinson, Jers. 25 13 Of Sarah Bifpham, ditto, 61 8	Of Francis Willier, Finia. co. 13. 13
	-0-
Of Mary Pearson, Darby, 21	580 7
Of Elizabeth Peacock, Jerf. 7 8	F ~ 1 1
Of Lyndon Brown, Bucks co. 15 2	From July 11th, to the 18th, 1771.
Of Adam Luz, Philadel.	7)
Of Henry Clemens, Jersey, 3 6	lb. oz.
Of Abigail Davis, Chester, 3 3	Of Catharine Evans, Che-
Of Mary Pearson, Daby, 30 12	fter county, 14
Of Jos. Morgan, Pensaukin, 62 4	Of William Henry, Lan-
Of Sarah Fordam, Darby, 6	caster, 16
Of Mary Branson, Jersey, 13 3	Of Mary Jones, Chester co. 19 12
Of Aquilla Jones, ditto, 23 8	Of Priscilla Fentham, Ma-
Of Ann Cole, ditto, 35 8	ryland, 27
Of Seneka Lucan, Phil. co. 39 8	Of Mary Lust, 5
Of Samuel Davis, Lancaster, 7 8	Of Frederic Walper, 4 11
Of John Asbridge, ditto, 75 10	Of Joseph Fisher 2
Of Hester Johns, Jersey, 4 8	Of Jacob Myers, 3 10
# 5	Of Benjamin Leghman, 9
	Or Benjamin Degrammy

19

88 L	etler o	n the c
From July 18, to July 241	b, 17	71.
Öf William Henry, Lan-	16:	02.
caster.	1	8
Of fundry persons, Of Sarah Wilson, Philadel.	7	6
Of Sarah Willon, Philadel.		8
Of Isaac Whitlock, Lancas. Of Sarah Dutton, Phil. co	. 10	ğ
Of Jane Davis, Cheffer,	28	12
Of Jacob Worral, do. Of Mary Thorn, Jersey, Of Anna Workerill Jersey	2	
Of Mary Thorn, Jersey,	67	13
Of Anna Wetherill, Jersey, Of Marmaduke Watson,	33	0
Of Margaret Reiley, Cheft		10
•	310.5	
	174	10
From July 25th, to August	1/t. 1	77,1.
	lb.	oz.
Of Joseph Lippincott, Jersey,		4
Of Edward Siddon, do.	12	2
Of John Hoops, Chester, Of Isaac Evans, Jersey,	23	10
Of Isaac Evans, Jerley,	, 2	12
Of Henry Thomas, Cheste	r, g	6
	47	2
From August 8th, to the 15	th 17	71.
	16.	oz.
Of Nicholas Garrison,		_
Northampton county,	41	8
Purchased from June 25	, lb.	0%.
to July 3, 1771. From July 4, to July 10,	817 580	15 7
From July 11, to 18,	92	10
From 18 to 24,	174	10
From 25, to August 1,	47	2
From August 8, to Aug. 15	, 41	8

The whole quantity of cocoons brought to the filature, was about 2300 lb. upwards of 1700 lb. were bought by the managers, the rest were reeled for the owners.

1754

Total,

of the 1700 lb. were raifed in New Jerfey, and the proprietors of them, in common with those raised in Pennsylvania, by way of encouragement, received at least one fifth more than the real value. Besides this, two fifths of all the premiums paid by the managers, were to perfons in New Jersey. These expences, together with furnishing the filature with proper utenfils, hiring reelers at very high wages, to teach others, and fuch accidents and disappointments as are incident to all new undertakings, have fo diminished their capital, that the managers found it necessary to petition the affembly of Pennsylvania in September last, for their aid and encouragement; but, as it was near the end of the year, that affembly could do no more than, 'recommend " it to the particular notice of the " fucceeding affembly as a matter of " very great confequence to the in-" terest of this province."

The prefent assembly has not yet met to do bufiness, but the managers cannot doubt of a hearty disposition in the house to patronize the culture of filk in Pennsylvania, as that is all which can be expected from them, and the managers' funds being too fmall to grant either bounty or premiums another year-therefore, these facts are respectfully submitted to the confideration of the legislature of New Jersey, hoping, so public spirited a defign will meet with such encouragement in that province, as the trials already made, feem to war-

Philadelphia, Dec. 9, 1771.

Signed, Francis Allifon, Charles More, Benjamin Morgan, Edward Penington, Isaac Bartram, Robert Strettel Jones, Samuel Miles, Thomas Clifford, Abel James Cadwallader Evans.

Many cocoons were also raised and used in private families, so that the quantity of raw filk made during the year 1771, at the very outset of the undertaking, in the middle states was probably more than three thousand pounds avoirdupois, and this when manusactured could not be valued at less than four thousand pounds sterling.

Citizens of America,

Now you are gloriously emancipated from the political thraldom of England, disdain to be held by her in commercial chains. Revive the filk manufacture, establish that of cotton, extend those of iron, copper, lead, leather, fur, clay, wood, linen and woolen, and in a few years the people will be fully employed and multiply exceedingly, the country will abound in gold and filver coin, commerce will spread far and wide over the globe, and agriculture will flourish more than ever in soils and climates adapted to every branch of it.

Perhaps nothing could more especially forward measures so desirable, than the personal example of our prime gentlemen and ladies, for confumption is the best friend to manufacture, and the consumption of foreign luxuries has operated dreadfully against us since the revolution. I am informed by a merchant of New York that the importation of rum alone into that port, during the last year, amounted to upwards of two hundred thousand pounds of their currency.

Will you give me leave to fuggest and submit to public consideration, the form of a voluntary association to be signed by all federal officers, civil, naval and military, at the time of taking the oath of office, and to commence with the new government which happily for our native land is soon to be perfected? Regis ad exemplum totus componitur orbis. Longum iter est per precepta, breve et essentia.

Vol. III. No. I.

"I, G. W. Prefident of the united states of North America (or I, B. F. vice president of the united states of North America, mutatis mutandis) do hereby pledge my honour that whenever I perform the functions of my office I will be dressed principally in the manufactures of the united states, and I do promise to pay to the federal clerk of assembly one silver dollar for every day that I shall be discovered, during the times aforesaid, to be dressed in a hat, coat, waistcoat, breeches, shirt, stockings, or shoes of foreign manufacture."

Such forfeitures to be disposed of for the benefit of American mechanics at the discretion of the president, vice president, senators and representatives in their private capacities.

If it be objected that sufficient materials for such purposes cannot be obtained, I answer, that demand not only increases the quantity to any amount but never fails to meliorate, to diversify and render cheaper the fabrics, as is evinced by the experience of every age and country.

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The old bachelor. No. IV.

HAVING in my former num-bers, as in the former part of my life, made pretty free with myfelf, I think it time to tack about and be ferious; however I feem to difposed at present, and bachelors from their supposed oddity, have a right to be as various as they pleafe, which indeed is one of their happiest privileges, but as I have been fevere upon myself for not marrying, I have a fair pretension to be as severe on those who marry from false motives. They richly deferve what they fuffer; many of them are paid for it, and it is right they should have their bargain. As badly off as I am, I had rather be a folitary bachelor, than a miserable married man. No

wife is better than a bad one, and the fame of a hufband. As I well know what the inconveniences of a fingle life are, and can give a fhrewd guess at the disquietudes of a miserable married one, I would endeavour, Dives like, to warn others how they come into either of these places of torment. While I was pondering upon this subject, I accidentally hit on the following curious differtation on unhappy marriages, which I have transcribed as a convenient introduction to my future thoughts on that head.

Reflections on anhappy marriages.
Though it is confessed on all hands that the weal or woe of life depends on no one circumstance so critical as matrimony; yet how few

feem to be influenced by this univerfal acknowledgment, or act with a caution becoming the danger!

Those that are undone this way, are the young, the rash and amorous, whose hearts are ever glowing with defire, whose eyes are ever roaming after beauty; these doat on the first amiable image that chance throws in their way, and when the flame is once kindled, would rifque eternity itself to appeale it. still, like their first parents, they no fooner tatte the tempting fruit but their eyes are opened; the folly of their intemperance becomes visible; shame succeeds first, and then repentance; but forrow for themselves, foon turns to anger with the innocent cause of their unhappiness; Hence flow bitter reproaches and keen invectives, which end in mutual hatred and contempt: Love abhors clamour and foon flies away, and happiness finds no entrance when love is gone. Thus for a few hours of dalliance, I will not call it affection, the repose of all their future days are facrificed; and those, who but just before seemed to live only for each other, now would almost

cease to live, that the separation

might be eternal.

But hold, fays the man of phlegm and economy, all are not of this hafty turn-I allow it-there are persons in the world who are young without passions, and in health without appetite: these hunt out a wife as they go to Smithfield for a horse; and intermarry fortunes, not minds, or even bodies: In this case the bridegroom has no joy but in taking possession of the portion, and the bride dreams of little beside new clothes, vifits and congratulations. Thus, as their expectations of pleasure are not very great, neither is the disappointment very grievous; they just keep each other in countenance, live decently, and are as fond the twentieth year of matrimony, as the first. But I would not advise any one to call this state of insipidity happiness, because it would argue him both ignorant of its nature, and incapable of enjoying it. Mere absence of pain will undoubtedly conflitute eafe; and without ease, there can be no happiness: Ease, however, is but the medium, through which happiness is tafted, and but paffively receives what the last actively bestows: if therefore, the rash who marry inconsiderately, perish in the storms raised by their own passions, these flumber away their days in a fluggifh calm, and rather dream they live, than experience it by a feries of actual fenfible enjoyments.

As matrimonial happiness, then, is neither the result of insipidity or ill grounded passion, furely those who make their court to age, ugliness, and all that is detestable both in mind and body, cannot hope to find it, though qualified with all the riches that avarice covets, or Plutus could bestow. Matches of this kind are downright prositiution, however softened by the letter of the law: and he or she who receives the

golden equivalent of youth and beauty fo wretchedly bestowed, can never enjoy what they so dearly purchassed: The shocking incumbrance would render the sumptuous banquet tasteless, and the magnificent bed loathsome; rest would distain the one, and appetite sicken at the other; uneasiness wait upon both; even gratitude itself would almost cease to be obliging, and good manners grow such a burden, that the best bred or best natured people breathing, would be often tempted to throw it down.

But fay we would not wonder that those who either marry gold without love, or love without gold, should be miserable; I can't forbear being aftonished, if such, whose fortunes are affluent, whose defires were mutual, who equally languished for the happy moment before it came, and feemed for a while to be equally transported when it had taken place: If even these should, in the end, prove as unhappy as either of the others. And yet, how often is this the melancholy circumflance? As extacy abates, coolness fucceeds, which often makes way for indifference, and that for neglect: Sure of each other by the nuptial band, they no longer take any pains to be mutually agreeable: careless if they displease, and yet angry if reproached; with fo little relish for each other's company, that any body's else is more welcome, Their uniand more entertaining. on thus broke, they purfue separate pleafures; never meet but to wrangle, or part, but to find comfort in other fociety. After this the descent is easy to utter aversion, which having wearied itself out with heartburnings, clamours, and affronts, fubfides into a perfect infenfibility; when fresh objects of love step into their relief on either fide, and mutual infidelity makes way for mutual complainance, that each may be the better able to deceive the other.

I shall conclude with the fentiments of an American favage on this fubject, who being advised by one of our countrymen to marry according to the ceremonies of the church, as being the ordinance of an infinitely wife and good God; briskly replied, "That either the christian's God was not so good and wife as he was represented, or he never meddled with the marriages of his people; fince not one in a hundred of them, had any thing to do either with happiness or common fense. Hence, continued he, as foon as ever you meet, you long to part, and not having this relief in your power, by way of revenge, double each other's misery: Whereas in ours, which have no other ceremony than mutual affection, and last no longer than they bestow mutual pleafures, we make it our bufiness to oblige the heart we are afraid to lose; and being at liberty to separate, seldom or never feel the inclination. But if any should be found fo wretched among us, as to hate where the only commerce ougl t to be love, we instantly dissolve the band: God made us all in pairs; each has his mate fomewhere or other; and it is our duty to find each other out, fince no creature was. ever intended to be miserable."

Anecdote.

A T the opening of one of the courts of law in Massachusetts, lately, a clergyman was sent for to address the deity—a gentleman present observed, that although this was ever the laudable practice, at the supreme judicial court, these courts had never, in his memory, opened with prayer. A failor, who heard the last remark, observed to his mess-mate, "If so, Jack, I believe as how the ship is really in disters, since they pipe all hands, and now call the parson to his quarters,"

SELECT POETRY.

A POEM, addressed to the People of Virginia, on New-Year's day, 1788.

FAIR Firginia, ever dear,
See arriv'd th' important year!
While the annual fong I pay,
Truth infpires the patriot lay:
Wake!—too long thy fons have

dream'd—
Where's the fifter flate, that beam'd Fairer in the dawn of fame,
Glowing with a purer flame?
Shall the ancient wreaths you gain'd,
By thy latter deeds be flain'd?
Shall not fed'ral conduct crown
All thy acts of old renown?
Union into ruin hurl'd,
Shall a tyrant grasp a world?
Or shall sep'rate unions grow,
Endless source of war and woe!
Or, if anarchy ensue,
Who hath more to lose than you?

Shall we basely sell the boon,
Bought with so much blood, so soon?
Oh! the muse a tale could tell,
How our heroes sought and sell—
Must our empire's short-liv'd reign
Prove they sought and bled in vain?

Blest Virginians, sum the cost! Shall the price of blood be loft ? Lost the blessings ye posses, Freedom and the pow'r to bless? Your's are planted plains and farms, Villas fair in rural charms; Lovely girls and prattling boys, All the blifs of home-born joys; When the foothing voice invites Guests to hospitable rights.— Your's th' illimitable waste, Flow'ry meads and valleys vast; Your's stupendous cliffs that rise, Bosom'd high in fleecy skies; Your's the Alleganean hills, Spouting forth in num'rous rills. Lift ye, how, from many a shore,

Distant sons of ocean roar?
Rivers broad to you belong,
Yet to run in deathless song—
Fair Ohio gently roves,
Through the sweet Acasian groves:
Rappahannock (sounding name)
And Fluvanna flow to same;
Pohawtan suberbly rolls;
Great Potomack, void of shoals;
Mississippi's waves will gain,
Spite of fraud, for you, the main;
Harvests, by your fields supplied,
Then may float on ev'ry tide.

Go, thou miscreant, from whose tongue Accents of disunion rung; At the shrine of felf, in lies, Every bleffing facrifice ! Bid the kindling beacons far, Light the realms to civil war; Bid the drum's obstrep'rous sound, Rumbling run along the ground; Bid the trumpet fing to arms, Swell the cannon's dread alarms; Wake the clang of steel again; Purple every flood and plain; Make the fickning harvest dic, Burning cities scorch the sky: Heav'n for this, shall on thy head Chosen bolts of vengeance shed!

Round our forests, on our coast, We have nobler names to boast— Liberal fouls, by none furpast, Names with time itself to last. Hail Virginia's patriot fons, Griffin, Blair, M'Clurg and Jones! Join the Pages firm and just: Steward faithful to his trust: Maddison, above the rest, Pouring from his narrow cheft, More than Greek or Roman sense, Boundless tides of eloquence: Withe, who drank the fource of truth, Skill'd in lore of laws from youth; Thruston's mind, of ample reach; Innis, fraught with pow'rful speech,

Too reluctant to engage! Pendleton, with locks of age, Mild his eye of wisdom beams, Lent from other worlds he feems, Heav'n refume not fuch a loan, Ere we make his choice our own! Erst the Lees, a glorious band, For their country made a stand, Wife and brave, unapt to yield, In the council or the field; Why afunder are they torn? Why his * loss must millions mourn, Who, to glad th' astonish'd earth, Spoke an empire into birth? While the awful hour demands, Ablest heads and purest hands, Him, in vain, we call from far, Second splendor, other star, Light and glory of the age, Jefferson, the learned sage ! Yet a name adorns our state, Great as modest, good as great, Though unnam'd, illustrious far, PRIDE of PEACE and STRENGTH of

Though a FEW, or false or blind, Strive to taint the public mind;

* R. H. Lee made the motion in Congress for the declaration of independence, July 4, 1776. Trust the muse's heav'n-taught strain, All the noise, the labor's vain—
Numbers vast will own the plan,
That secures the rights of man;
Gives the states their destin'd place,
High amidst the human race:
Our illustrious hero then,
(First of sages, best of men)
Will the nation's cares assume,
And again avert its doom.

Bards! your wreaths immortal twine: Brighter days begin to shine. Come ye freemen! patriots come! Read with me Columbia's doom— Lo! involv'd in yonder skies, Fair the year of glory lies. Ravish'd far, in vision'd trance, I behold, with mystic glance, Towns extend on many a bank, Late with darkling thickets dank, And the gilded spires arise, Grateful to propitious skies— Arts, refinements, morals bleft, Claim perfection in the west— Peace, with commerce in her train, Brings a golden age again— While our woven wings unfurl'd Sail triumphant round the world. Alexandria, January 10, 1788.

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Monitory epifile, addressed to a young lady.

SWEET, lovely girl! my best, my dearest care,
As Hebe blooming, and as Venus fair;
Thy tender years no artistice can know,
A heart like thine can fear no latent foe,
In ev'ry scene some smiling joy will rise
And gayest prospects only glad thine eyes;
Delusive dreams as real forms appear,
And sanguine wishes silence ev'ry fear,
And innocence that knows iffelf no guile,
Will see a friend in every specious smile,
Catch fond belief from ev'ry soothing tongue,
And paint delight for ever fair and young.
But know, my fair, a thousand snares surround,
And ev'ry step you tread is dang'rous ground;
From open soes, and less from treach'rous friends,
E'en prudence scarce her votaries defends!

And prudence comes by found advice alone: Then learn to make these maxims all your own. First, know, thy bloom will fade, those roses die. And time obscure the brilliance of that eye; Thy winning grace will lofe its pow'r to charm, Thy fmile to vanguish, and thy breast to warm: The reign of beauty, like the blooming flow'r, Is but the pride and pageant of an hour; To day its fweets perfume the ambient air, To morrow fees it shrunk, nor longer fair: Such the extent of all external fway; At best, the glory of a short-liv'd day. Then let the mind your noblest care engage; Its beauties last beyond the flight of age: The mental charms protract each dying grace, And renovate the bloom that deck'd the beauteous face. Let ev'ry virtue reign within thy breaft, That heav'n approves, or makes its owner bleft; To candour, truth and charity divine, The modest, decent, lovely virtues join. Let wit well-temper'd meet with sense refin'd, And ev'ry thought express the polish'd mind, A mind above the meannels of deceit: Of honor pure—in conscious virtue great; In ev'ry change that keeps one iteady aim, And feels that joy and virtue are the fame. And O! let prudence o'er each thought preside, Direct in public, and in private guide; Teach thee the snares of artifice to shun, And know, not feel how others were undone: Teach thee to tell the flatt'rer from the friend, And those who love from those who but pretend. Ah! ne'er let flatt'ry tempt you to believe, For man is false, and flatters to deceive: Adores those charms his falshood would disdain, And laughs at confidence he strives to gain. And if delight your bosom e'er would taste, O shun the vicious, dread the faithless breast! Infection breathes where'er they take their way, And weeping innocence becomes a prey: The flightest blasts a female's bliss destroy, And taint the fource of all her sweetest joy; Kill ev'ry bloffom, over-run each flow'r, And wrest from beauty all its charming pow'r: The dying bud may burst to life again, And herbs o'erspread the snow-invested plain; Green leaves may clothe the wintry widow'd trees, And where frost nipt may fan the western breeze-"But beauteous woman no redemption knows "The wounds of honour time can never close;" Her virtue funk, to light can never rife, Nor lustre beam from once guilt clouded eyes,

Fix'd be the mind those pleasures to pursue, That reason points as permanent and true: Think not that blifs can mingle with a throng, Whirl'd by a tide of idle forms along: Think not that pleasure lives with pomp and state, Or foothes the bosoms of the rich and great: Think not to meet her at the ball, the play, Where flirt the frolicfome and haunt the gay: Think not she flutters on the public walk, Or prompts the tongue that pours unmeaning talk, Or loves the breath of compliment to feel, Or stamps on crowns her estimable seal: True female pleasure, of more modest kind, Springs from the heart, and lives within the mind; From noify mirth and grandeur's rout she flies, And in domestic duties wholly lies. As fades the flow'r that's rear'd with tender care, When left expos'd to florms and chilling air, So fades the fair in reason's sober cye, That braves the crowd, nor heeds the danger nigh; Who giddy roves with folly's motley queen, Nor loves the transports of a life ferene. Be thine the friendship of a chosen few, To ev'ry virtue uniformly true; Be thine the converse of some kindred mind, Candid to all, but not to errors blind: Prudent to check or warn unguarded youth, And guide thy steps in innocence and truth. Those who regard, will fulfome language wave, And, in the friend sincere, forget the slave : Will make, like me, your happiness their care, Nor wink at specks, that render you less fair-From books, too, draw much profit and delight, At early morning, and at latest night: But far, oh far! from thy chaste eyes remove The bloated page that paints licentious love, That wakes the passions, but not mends the heart, And only leads to infamy and art! Let Addison's and Johnson's moral page, And Hawkesworth's pleasing stile thy hours engage. From Milton feel the warm poetic fire, Whom all the nymphs of Helicon inspire. With Thomson round the varied seasons rove, His chaste ideas ev'ry heart improve. Let tuneful Pope instruct you how to sing, To frame the lay, and raise the trembling wing. Let deathless Shakespear, nature's fav'rite child, Great above measure, and sublimely wild, Of human manners give the picture true, For ever changing, and for ever new-Such be thy joys-and through this varied life, Whether a maid, a mother, or a wife,

May fair content for ever fill thy breast,
And not an anxious care disturb thy rest:
May love, the purest passion of the skies,
Play round thy heart, and sparkle in thine eyes!
May all thy worth be virtue's sweet reward,
And goodness only claim thy just regard!
And when this busy scene of life is o'er,
And vain illusions vex the heart no more,
'Midst brightest faints, O may I meet my dear,
And feel that love improv'd I cherish'd here!

ALBERTO.



A riddle.

From the Pennsylvania magazine.

M Y parent bred me to the fea;
I've been where never man could be. Long time I rang'd the ocean wide, And all the rage of the storms defied: Though louring clouds obscur'd the sky, And foaming billows mounted high; Though winds with utmost fury blew, And thunders roll'd and lightnings flew; Waves, winds, and thunders all in vain Oppos'd my passage through the main. At length my parent died, and I On shore would needs my fortune try— I left the fea-grew fond of show, Dress'd neat, and soon became a beau. My body's taper, tall, and itraight, I chiefly dwell among the great; Am, like a bridegroom, clad in white, And much the ladies I delight; Attend when Chloe goes to rest-Chloe is by my presence blest; Nor ghost nor goblin can she fear, Nor midnight hag, if I am near. No more a feaman bold and rough, I shine at balls, am fond of snuff: To gay affemblies I repair, And make a flaming figure there. At last a burning fever came, That quite dissov'd my tender frame: I wasted fast, light-headed grew; Of all my friends not one I knew; Great drops of fweat ran down my fide, And I, alas! by inches died.

FOREIGN INTELLIGENCE.

Amsterdam, October 4.

THE negociations of our city whether with the duke of Brunswick, or at the Hague, have terminated in

or at the Hague, have terminated in an entire submission to the court of Prussia, and to her royal highness the princess of Orange, as appears by

the following placard:

"The burgomasters and counsellors of the city of Amsterdam, find themselves obliged to declare to the worthy corps of burghers, that they have always conscientiously endeavoured to act conformably to the advantage of their dear country in general, and that of this city in particular, and that still, in their present circumstances, the good of this city, and that of its inhabitants, is dearer to them than their own lives, and the preservation of their honours, employments and their property.

"The great and imminent danger in which they are involved, and the little time which with difficulty they had obtained to deliberate, not having permitted them to make fully known to the burghers, all that has been transacted, to preferve this good city from the dreadful mischiefs that feemed to impend, they have been obliged to accede to the points which the other members of the states of Holland have agreed to; and to charge the deputies of this city to yield to every demand, in case they cannot act otherwise-even the difmission of the established regentsrather than rifque greater damages to the town and inhabitants, in addition to those which they have hitherto fuffered; and after all, perhaps, after having undergone thefe losses, to be obliged to submit to demands still more afflicting. They call God to witness, from whom nothing can be concealed, and the oath which

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they took on affuming the magistracy, that they have no other view in conceding every thing, than the prevention of the citatin and irrepara-

ble ruin of the city.

"Since they are constrained to give up all, they will at least endeavour, and they hope to be able, to preserve the most perfect tranquility and security in this very populous city; to the effecting of which they expect, with considence, that the brave burghers, who have exerted themselves with so much zeal for the prefervation of the tranquility, will continue to exercise the same efforts, and the same zeal, to maintain public quiet in the city, and to preserve each individual from all manner of violence and oppression.

" Done the 3d of October, By me,

H. N. HASSÉLAER, fec'ry. October 13. A complete revolution has taken place in the political and civil government of this city. The magistrates, who had been removed from their offices by the party in opposition to the stadtholder, were reffored to their feats in the fenate and city council. 9th inft. the grand officers and burghermasters, who had been expelled or fecluded by the faction, refumed the exercise of their several stations; and on the following day the feeluded counfellors were reinstated in their offices; the persons who had been appointed bythe faction to superfede them, made a virtue of necessity; they refigned without any struggle, and gave up employments which they could no longer hold.

On Tuesday last, the burghermasters received the following letter from his highness the duke of Bruns-

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wick, dated Amsterdam, the 9th

" In order to fecure the requisition of his Prussian majesty, and the honour of his arms, of being affured of the difarming the auxiliaries and free corps that shall be found in Amsterdam, I demand of the burghermasters and council of the city, for my entire fatisfaction of the legal mode of their being difarmed, that the Leyden port, or gate, be deli-vered to his majesty's troops, that shall appear there to-morrow at noon: and I pledge myself no one shall come into the city; that the strictest discipline shall be observed, and that the troops shall stay no longer, after the resolution of the state, with respect to their being disarmed, shall have been put in execution. You see, gentlemen, I ask no more than what the states require, and what other cities, such as Dordrecht and Rotterdam defired of me. C. G. F. D. OF BRUNSWICK."

In consequence of the above, on Wednesday morning, a deputation of two burghermasters, and two counsellors, waited on his highness, who was near the Leyden port, or gate, in order to settle every thing relative to the present circumstances; and in the afternoon 150 of the Prussian troops came into the city, took possession of that port, and the following capitulation was agreed

upon:

1st. That the Prussian troops shall take possession of the Leyden gate, with one hundred and sifty men and two pieces of cannon.

2d. That two squadrons of light horse should be quartered at Over-

toom.

3d. That none of the king's troops come into the city without

permission of the magistrates.

4th. That the burghermasters and council of the city shall take the necessary steps for securing of the sluices, at Haarlem and Mulden posts.

5th. That the burghermafters and council shall give to the duke of Brunswick, a daily account how far the resolutions of the city are brought forward.

6th. That monf. Haaren, as commissioner on behalf of the duke of Brunswick, shall be instructed to what extent they have proceeded in

difarming the people.

[On the day of the furrender, a skirmish took place in the city between the citizens of the two parties; it was occasioned by the faction placing wheel-barrows, covered with earth, in those streets through which the stadtholder's friends were advancing on horseback. This with some other infults, caused a battle to ensue, in which some Jews were killed and others wounded. Soon after, however, peace was entirely restored; and on the 11th, the Prussians took entire possession of Amsterdam.]

Hague, O.T. 7. We learn from Zirickzee in Zealand, that the populace, having met in several parts, have committed the greatest excesses. We have a list of 170 houses which they have pillaged; more than 50 have been pulled down to the ground; five persons have had their throats cut. Two hundred families who have escaped these mutineers, have retired to Antwerp, where the Austrian government have granted them an asylum and protec-

tion.

London, O.A. 5. The D. of Brunswick having refused any terms short of

the entire submission of the city of Amsterdam, was the reason that the advanced guards of the city were attacked on the morning of the 1st instant, by the Prussian troops; the engagement continued for seven hours, and the Prussians were repulsed in three places, and made their retreat, which occasioned some diforder; but when the mail came away, the duke was going against Amster-

dam, in full force with all his artillery, and it is supposed is now in

possession of that city.

The following is a flatement of a special law case, which has lately occurred, (Forward against Pittwood) wherein the defendant was a common carrier, to whom the plaintiff had delivered a parcel of hops, to be carried by the defendant's waggon. The defendant put them into his warehouse, and during the night a fire broke out at an adjoining house, which communicated to and confumed the defendant's warehouse, and the plaintiff's goods therein. question for the court to determine was, " Whether the plaintiff was entitled to recover." Lord Manffield stated, that a common carrier is in the nature of an infurer: and that he is liable for every thing, except the act of God and the king's enemies; that is, even for inevitable accidents, with those exceptions. Judgment was therefore given for the plaintiff.

The produce of the fertile and beautiful island of Jamaica, has been long an object of envy with our enemies. The fort of Port Royal is now made very strong. There cannot be too much care taken of 3,500,000 acres of fuch valuable ground, which is nearly four times as much as all the other British fugar islands put together. The cultivated land of this charming island, the lands cleared of woods, and that applied to pasturage, consist of 600,000 acres; the Savanna, 250,000; the rocky, roads, river courses, &c. 350,000. There remain yet uncultivated 2,350,000 acres. about one-fourth of the land fit for cultivation is fettled; if the other three were fettled, the annual revenue derived from thence to this country would be very confiderably enhanced; at present it is not less than 700,000.

October 8. The following is a copy

of an official note prefented by mr. Grenville to the comte de Montmorin, on the 4th of Octo-

ber, 1787.

" HIS Britannic majesty, confiding on that friendship which happily exists between him and his most christian majesty, thinks he has a right of asking some explanations on the subject of those armaments which are now carried on in all the harbours of France. A treaty of peace between the two crowns, fettled on principles which feem to insure its permanency, a treaty of commerce lately figned and mutually executed, a reciprocal settlement of the interests of the two nations in the East-Indies, the intimate connections lately entered into by the merchants of both nations, all seem to remove the idea of any hostile intention against Great-Britain; nevertheless, France is arming, and his Britannic majesty cannot trace any European power against which the most christian king can possibly have any cause of complaint.

"The commotions in the united Netherlands, it is true, have alarmed Europe; but the king of Great-Britain reposes too great a confidence in the declarations of his most christian majesty, to believe that he intends to support a drooping party in the province of Holland, against the voice of the majority of those united provinces, with whom alone he has formed an alliance; he cannot therefore suppose that the armaments of France can possibly have that ob-

iect in view.

"His Britannic majesty, on the other hand, is informed, that the most christian king has lately sent considerable forces to the East-Indies, part of which have stopped at the Cape of Good Hope and Trincomale; neither France nor the united Netherlands have any enemies in that part of the world, and the king of Great Britain seeling himself interes-

ted in those measures more immediately than any other power, wishes to be acquainted with the reasons of

those expeditions.

"His Britannic majefty defires nothing fo fincerely as to maintain the harmony which exifts between Great Britain and France, and being perfuaded that the most christian king is filled with the fame fentiment, doubts not but that he will embrace this friendly communication, in order to elucidate the misunderstandings which might arise from the armaments of France.

The comte de Montmorin's ansaver. "The king, perfuaded that the explanations which his Britannic majesty wishes to receive, originate in his friendly dispositions, is willing to explain the motive of his armament. The faith reposed in treaties, formerly held fo facred, has been feveral times violated within this century, in a manner fo unprecedented, that it is become the duty of every power to prepare itself for war, even in the bosom of peace, at the least motion of any of its neighbours. All Europe knows that France has not exhibited any precedents of those unjustifiable violations, and the king, too jealous of the dignity of his crown, would disdain taking such an advantage over an unprepared neighbour. His Britannic majesty is not ignorant of the respective situations of France and Great Britain, at the beginning of last August in Europe, as well as in both Indies, and the King having religiously remained since on the defensive, fufficiently evinces the purity of his intentions. His most christian majesty being determined to fulfil his treaty of alliance with the united Netherlands, and wishing to prevent any power from taking advantages of the trouble of those provinces, to seize on some parts of their possessions in Europe, and in both Indies, has thought necessary to be prepared to protect them, as foon

as the flates general should require it. The armaments of Great Britain. the negociations of her ministers in all the European courts, and her well-known steps to dissolve the alliance between France and the united Netherlands, and to accelerate the war between the Ottoman empire and Russia, Austria, and the republic of Venice; fuch are the reasons which have obliged the king to increase his means of defence, the extent of which has been proportioned to the preparations carried on in Great Britain. Sheltered now from any danger of furprife, he is firmly determined not to begin hostilities; and, prepared for war, although fincerely defirous of peace, he waits to lay down his arms, that England should have adopted fimilar measures."

Off. 20. A letter from Amsterdam, dated Oct. 12, says, mr. Van Berkel, and another burger or two, who were most inimical to the stadtholder, made their escape by sea; and a considerable number of the refractory of the Amsterdammers were sent by the Prussian general to Cleves.

This is an era of great importance in the French monarchy. The malverfation of the government has brought on a crifis in the minds of the people. They feem ready to take ire; and was not the defpotic power of the grand monarch fupported by a vaft flanding army, it is believed that the history of France would record a great revolution.

Nov. 8. Since the publication of the declarations, infurances to the West-Indies, which were done at ten per cent. in case of war, have fallen

to four.

Nov. 9. The loss fustained by the Russian squadron in the Black Sea is now confirmed, and turns out to be infinitely more calamitous than was at first imagined. Besides the one ship of the line, of which we have had accounts as falling into the hands of the Turks, six other men of war, large, new, and well-equipped fhips perished in the storm. This fevere blow has completely disabled the Russians for a time, from acting against the Ottoman Porte by sea.

Mr. Nairne, of London, has received a letter from dr. Franklin, in America; which states, that the cover of his mahogany-box, which held artificial magnets, and fitted it at London and Paris, was too small in America. The air of America must therefore be drier than that of Europe.

Two commissioners on the part of the court of France are shortly expected in England, to observe that the reduction of our navy has taken place agreeably to the ratification. Mons. de Bougainville is one of the persons named, and two British naval officers are to be sent to the French ports in order to observe a like conduct.

Letters from Berlin and Hamburgh declare war between Sweden and Russia to be inevitable; they add, that in the interview at Kaminieck, it was agreed that Poland should provide 30,000 troops, in case of hostilities with the Porte, and that by way of compensation, the republic should be put in possession of Moldavia.

Authentic information was received on the 23d ult. from Hoiland—the affairs of that distracted republic, are not likely to be fo speedily restored to tranquility as it was generally expected. When M. de Thulemeyer, the Prussian ambassador at the Hague, first delivered the memorial that contained the intimation of that monarch's intended interference in the concerns of the states, nothing was faid or written upon the subject, as to the motives for his conduct, beyoud the mere wish to obtain reparation to the princess of Orange, for the infult she had received; since the furrender of Amsterdam, however, a different language has been held.

On a fuggestion being thrown out to the duke of Brunswick, since the capitulation of that place, that it would tend to restore quiet, if the Prussian army were to retire from the city, M. de Thulemeyer sent a regular official intimation to the magistrates, that it was the determination of his master, not to quit Amsterdam until every farthing of the expence he had incurred in consequence of his preparations, was fully paid; at the same time rating the amount of this expenditure upon a most enormous scale.

This has thrown the council of Amsterdam into the utmost consternation. They cannot order the payment of the money, without regular authority from the states, and by their refusal, are exposed to the daily hazard of the plunder of the foldiery. On the declining to advance the fum demanded, M. de Thulemeyer informed them, he should publish a manifesto, deelaratory of the purposes and resolutions of his master. On the interpolition, however, of the princess of Orange, this violent meafure was suspended till the ministers of the court of London should have been confulted. Accordingly a council was held yesterday in the evening, and two extraordinary messengers were dispatched, one to the king of Pruffia, at Berlin, and another to fir - J. Harris, at the Hague.

American Inteiligence,

Philadelphia, January 2. A letter from a gentleman in Savannah, to his friend in this city, dated Dec. 8, fays, "Since your departure from this country, we have been engaged, and are now in a war with the Creek Indians. Small parties have penetrated as low down as the Cononchee, killed our citizens, and done other damage. It is my firm belief, that it might have been ftopped in the first stage, had the executive of this

country brought to trial a col. Alexander, who murdered eight or nine Indians on their hunting grounds. The legislature have ordered four regiments to be raised, of seven hundred and sifty men each; and at the expiration of the war, they are to receive a certain tract of country, within the Indian limits, for their fervices.

"Should the commissioners of North and South Carolina and Georgia, with the continental agent, meet speedily, I have hopes that they will adjust the dispute, whereby the unfortunate families who have been driven from their houses, may return in peace, and enjoy the fruits of their labour."

A letter from Baltimore, dated Dec. 28, fays, "Our affembly were tried, while fitting, for a duty of ore penny per lb. on imported nails, fimilar to your state: but though it passed the lower house, it was unexpectedly rejected by the senate, who are warm federalists, and thought it wrong to interfere in a matter that would so foon be out of their province."

In the political fociety lately inftituted at Richmond, in Virginia, the new federal constitution was the subject of a public debate. After three evenings spent in discussing it, the yeas, in favour of it, were one hundred and twenty-eight; the yeas were only fifteen. The members of this fociety confift of the principal characters in Virginia. The principal speaker against the government, was Patrick Henry, elq. The principal fpeaker in favour of it, was mr. Nicholas. It is expected there will be the fame majority in the state convention.

Jan. 12. A letter from Carlifle, dated January 4, fays, "I dare fay you have heard of the unhappy rumpus which took place here on the 25th ult. The spirit of rage and

difcord is increasing every hour; fquire Agnew issued warrants for fome of the rioters, but none would venture to serve them; a boy indeed was taken, but the people of the town threatening to rise again, and the country people declaring they would come in and pull down the houses of any who should attempt to issue or execute any warrants, he was discharged.

Before the furrender of Amsterdam, water was fold at an English

shilling a quart.

Jan. 16. On the ninth inst. the convention of the state of Connecticut, ratified the new constitution, by the following instrument:

"In the name of the people of the state of Connecticut:—We, the delegates of the people of said thate, in general convention affembled, pursuant to an act of the legislature in October last, have assented to and ratisfied, and by these presents do assent to, ratify, and adopt the constitution reported by the convention of delegates in Phisiladelphia, on the seventeenth day of September, 1787, for the united thates of America.

"Done in convention, this ninth day of January, A. D. 1788. In witness whereof we have hereunto set our hands."

The votes for the constitution

were 128-against it, 40.

Jan. 30. By late intelligence from Georgia, we are informed that that flate has ratified the new conflitution.

Portsmouth. (N. H.) Jan. 2. Ten states have called conventions—South-Carolina we have not heard from—New-York as yet could not, and Rhode-Island—shame come upon her rulers for it—will not.

Newport, (R. I.) Jan. 10. At a town meeting specially convened at Littlecompton, in this state, on the first day of January instant, for the

Snuff per bottle

purpose of considering the new sederal constitution, it was voted, that a committee be appointed to draw up instructions for their deputies in general assembly, who reported accordingly instructions to captain George Simmons and Nathaniel Stiles, esqrs. their deputies, of which the following is an extract:

" That being deeply impressed with a fense of the extreme need we stand in of a well organized and energetic national government, and viewing the new federal conflitution as a plan of government well adapted to the present critical situation of our national affairs, we do therefore enjoin it on you as our positive instructions, that you and each of you do use your utmost endeavours at the next fession of the general assembly of this state, to have an act passed, recommending it to the feveral towns in this state, to choose delegates, as foon as may be, for the purpose of adopting or rejecting the new federal constitution, agreeably to the requifition of the honorable the national convention; and those our positive instructions, gentlemen, you must not fail to execute on pain of procuring our highest displeasure.

Submitted by,

David Hilliard Perez Richmond, John Davis,

Which report was accepted and passed as the instructions of the town of Littlecompton to their deputies

in the general affembly.

Petersburgh, Jan. 3. By an act of the present general assembly, the following duties are imposed on imported articles, payable in certificates, to take place the first day of March next.

_	太。	5.	a.
Rum per gallon,	0	I	0
Brandy and other distilled			
ipirits,	0	1	0
Madeira wine per gallon,	0	1	6
Other wines, ditto,	0	1	0
Porter,	0	0	9

Snuff per bottle,	0	1	0
Manufactured tobacco			
per lb.	0	I	3
Loaf and lump fugar per lb.	0	0	3
Coffee per lb.	0	0	36
Pepper, ditto,	0	0	6
Other spices,	0	0	4
Dreffed leather per lb.	0	0	6
Tann'd ditto per lb.	0	0	4
Bohea tea,	0	I	0
Other teas,	0	2	0
Cordage per cwt.	0	4	0
Bar iron, per cwt.	0	4	0
Pots and other castings,	0	4	0
Nail rods per cwt.	0	Ĝ	0
Wine in quart bottles, and			
others in proportion, per			
dozen.	0	3	0
Malt liquors in quart bottles		J	
per ditto,	0	2	6
01' ' '	20	0	0
O-1 C 1 1 .	15	0	0
711 1 1 .	10	0	0
Clocks,		0	0
Axes per dozen,	5	8	0
Hoes per dozen,	0	6	0
Saddles a piece,	0	12	0
Ladies stuff or Morocco	U	1 -	U
shoes per pair,	0		_
Ladies filk ditto,	0	1 2	0
Men's and women's shoes,	0	1	0
Shoe boots per pair,		6	0
Boot legs per pair,	0		6
Playing cards nor dozen	0	1	
Playing cards per dozen, Coal per bushel,	1	10	0
Salt heef non work	0	0	6
Salt beef per ewt.	1	0	0
Ditto pork per cwt.	1	0	0
Candles per lb.	0	0	7
Butter per 1b.	0	0	4
Soap per lb.	0	0	4
On all ready made wearing	ng a	appa	rei
not before enumerated (exc	ept	glov	res
and stockings) or metal	CO	at a	nd
waistcoat buttons, on all	nor	ie a	nd
carriage whips and walki	ng	can	es,
on all gold and filver lace, ten per			
cent. ad valorein, and upon all goods,			
wares, and merchandize, w	hat	Dave	er,

not above enumerated, except falt, a duty of three per cent.

Wilmington, (Del.) fan. 9. On Thursday last, at a meeting of the

principal inhabitants of this borough, the following refolutions were agreed

to, and figned:

That from and after the first day of January, 1788, we will kill no lamb, for fale, or our family use; nor buy any of the same, or suffer it to be bought or used in our families, until the first day of January, 1789.

That on the first day of January

next, we will appear in a complete dress of the manufacture of one or more of the united states, at a general meeting to be held on that day.

That we will encourage and promote, as much as we reasonably can, the use of American manufactures, by giving them the preference to foreign articles, when there is any reafonable proportion between their prices and goodness.

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AMERICAN MUSEUM:

OR

REPOSITORY

OF ANCIENT AND MODERN

FUGITIVE PIECES, &c.

PROSE AND POETICAL.

For FEBRUARY, 1788.

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V O L. III. No. II.

THE SECOND EDITION.

PHILADELPHIA:
PRINTED BY MATHEW CAREY.

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AMERICAN MUSEUM,

For FEBRUARY, 1788.



An oration, delivered July 4, 1787, before the fociety of the Cincinnati, of the state of New York; in commemoration of the independence of America. By the honourable Robert Livingston, esq. chancellor of that state.

I COULD have wished, gentle-men, that the task, I am now about to perform, had been affigned to some abler speaker; and, in that view, I long fince tendered my apology for declining it, and hoped, 'till lately, that it had been accepted. Disappointed in this hope, and unwilling to treat any mark of your favour with neglect, I determined to obey your commands; although I was fatisfied, that, in the execution of them, I should not answer your expectations. There is a stile of eloquence, adapted to occasions of this kind, to which I feel my felf unequal :--a stile, which requires the glowing imagination of younger who, coming recently fpeakers, who, coming recently from the fchools of rhetoric, know how to drefs their fentiments in all its flowery ornaments. The turbulence of the times, fince I first entered upon public life, and the necessity it imposed upon those who engaged in it, of attending rather to things than words, will, I fear,

render me, if not an useles, at least

an unpolished speaker.

If the mind dwells with pleafure on interesting events-if the foul pants to emulate the noble deeds it contemplates-if virtue derives new force from the successful struggles of the virtuous, it is wife to fet apart certain feafons, when, freed from we commemorate meaner cares, events, which have contributed to the happiness of mankind, or afford examples worthy their imitation. What are we this day called upon to commemorate?—Some fignal victory, in which the victor weeps the loss of friends, and humanity mourns over the graves of the vanquished ?--- The birth of some prince, whom force, fraud, or accident, has entitled to a throne?---Or even that of some patriot, who has raised the reputation, and defended the rights of his country ?-No, gentlemen! a nobler subject than the splendor of victories, or the birth of princes, We are demands our attention. called upon, to commemorate the fuccefsful battles of freedom, and the birth of nations!

It may be expected (and indeed I believe it is usual on such occasions) that I should tread the steps we have taken, from the dawn of opression, to the bright sunshine of indepen-

dence; that I should celebrate the praise of patriots who have been actors in the glorious scene, and more particularly that I should lead you to the shrines of those who have offered up their lives in support of their principles, and fealed with their blood your charters of freedom. Had I no other object in view, than to amuse you and indulge my own feelings, I should take this path. For what talk more delightful, than to contemplate the successful struggles of virtue; to see it at one moment panting under the grafp of oppression, and rising in the next with renewed strength; as if, like the giant fon of earth, she had acquired yigour from the fall; to fee hope and disappointment, plenty and want, defeats and victories, following each other in rapid fuccession, and contributing, like light and fhade, to the embellishment of the piece! What more foothing to the foft and delicate emotions of humanity, than to wander with folded arms, and flow and penfive step. amidst the graves of departed heroes, to indulge the mingled emotions of grief and admiration: at one moment giving way to private forrow, and lamenting the loss of a friend, a relation, a brother; in the next, glowing with patriot warmth, gazing with ardor on their wounds, and invoking their spirits, while we ask of heaven to inspire us with equal fortitude! But however pleafing this talk, the defire of being useful impels me, at this interesting moment, to forego this pleasure --- to call you from this tender fcene---to remind you that you are the citizens of a free state -- to bid you rejoice with Roman pride, that those you love, have done their duty --- to exhort you to crown the glorious work they have begun; for, alas! my friends, though they have nobly performed the part affigued them, the

work is still unfinished, and much remains for us to do. It may not, therefore, be improper, amidst the congratulations I make you on this day—this day, distinguished in the annals of fame, for the triumph of freedom and the birth of nations, to enquire how far it has been productive of the advantages we might reafonably have expected, and where they have fallen thort of our expectations.

To investigate the causes that have conduced to our disappointment, two objects demand our attention-our internal and federal governments: either, to those who are disposed to view only the gloomy fide of the picture, will afford fufficient matter for censure, and too much cause of uneafiness. Many desponding fpirits, milled by their reflections, have ceased to rejoice in independence, and to doubt whether it is to be confidered as a bleffing. God forbid that there should be any fuch among us. For, whatever may be the pressure of our present evils, they will cease to operate, when we refolve to remove them; the remedy is within our reach, and I have sufficient confidence in our fortitude, to hope that it will be applied.

Let those, however, who know not the value of our present situation, contrast it with the state of servitude, to which we should have been reduced, had we patiently submitted to the yoke of Britain. She had long since seen our ease with envy, and our strength with jealous y. Loaded with debt, she wished to share that assume the protection, rather than to our industry. Tenacious of her supposed supremacy, she could not be indifferent to those increasing numbers which

threatened its subversion.

Avarice and timidity concurred in framing a fystem of despotism, which, but for our resistance, would have reduced us to the vilest subjection. Having refisted, accommodation was vain; pretences would not have been wanting to ruin those that had been active in opposition. Difputes among ourselves would have been encouraged; and advantages, derived from our difunion, would have enabled her ultimately to obtain her object. No alternative was left, but independence, or abject submission. We have chosen as became a wife and generous people. Let flaves or cowards disapprove the choice.

Our constitutions are formed to enfure the happiness of a virtuous nation. They guard against the tumult and confusion of unwieldy popular affemblies, while they yield to every citizen his due thare of pow-They preferve the administration of justice pure and unbiassed, by the independence of the judges .--They prevent abuses in the execution of the laws, by committing the care of enforcing them to magistrates who have no share in making, nor voice in expounding them. In these circumstances, they excel the boasted models of Greece, or Rome, and those of all other nations, in having precifely marked out the power of the government, and the rights of the people. With us the law is written: no party can justify their errors under former abuses or doubtful precedents. With these constitutions, I shall be asked, how it has happened that the evils hinted at continue to exist? I shall endeavour to answer this enquiry, fince my object in treating of this subject is to impress upon you the obligations we are under as citizens, as men whose past services entitle us to some weight in the community, zealously to unite in promoting a constitutional reform of every abuse, that affects the government.

Our constitutions being purely de-

mocratic, the people are fovereign and absolute. The faults of absolute governments are to be charged to the fovereign :-- in ours they must be

traced back to the people.

If our executive has sufficient energy, if the judicial is competent to the administration of justice, if our legislative is so formed, that no law can pass without due deliberation, all the ends of government are answered. fo far as they depend upon the constitution. If still it falls short of expectation, the evils must be fought in the administration: and fince every person concerned in that, is either mediately or immediately chosen by the people, they may change it at pleasure. What can be devised more perfect than that constitution, which puts in the power of those, who experience the effects of a mal-administration, to prevent their continuance; not by mad, tumultuous and irregular acts, as in the ancient republics, but by fuch as are cool, deliberate and constitutional? If they still exist, they must be charged to the negligence of the people, who after violent agitation, have funk into fuch a state of torpor and indifference, with respect to government, as to be careless, into what hands they trust their dearest rights. When we chuse an agent to manage our private affairs, an executor to distribute our estate. we are folicitous about the integrity and abilities of those we entrust: we confult our friends: we make the choice after due deliberation—Is it not aftonishing, that when we are to elect men, whose power extends to our liberty, our property, and our lives, we should be so totally indifferent, that not one in ten of us tenders his vote ?—Can it be thought that an enlightened people believe the science of government level to the meanest capacity? That experience, application, and education are unnecessary to those who are to frame

Taws for the government of the state? And yet, are instances wanting, in which these have been proscribed, and their place supplied by those institutions arts, which have rendered them suspected? Are past services the passport to future honours? Or have you yourselves, gentlemen, escaped the general obloquy? Are you not calumniated by those you deem unworthy of your society? Are you not even thunned by some who should wear with pride and pleasure this badge of former services?

You have learned in the fehool of adverfity, to appreciate characters. You are not formed, whoever may direct, to promote measures you disapprove. Men, used to command and to obey, are sensible of the value of government, and will not confent to its debasement. Your fervices entitle you to the respect and favor of a grateful people. Envy, and the ambition of the unworthy, concur to rob you of the rank you

merit.

To these causes, we owe the cloud that obscures our internal governments. But let us not despair; the fun of science is beginning to rise: and, as new light breaks in upon the minds of our sellow citizens, that

cloud will be difpelled.

Having observed that our internal constitutions are adequate to the purpofes for which they were formed; and that the inconveniencies we have fome time felt under them, were imputable to causes which it was in our power to remove: I might perhaps add, that the continuance of those evils, was a proof of the happiness these governments impart; since, had they not been more than balanced by advantages, they would have preffed with fuch weight, as to have compelled the people to apply the remedy the constitution affords .- But, when I turn my eyes to the other great object of a patriot's attention-

our federal government, I confess to you, my friends, I ficken at the fight. Nothing prefents itself to my view. but a nervelefs council, united by imaginary ties, brooding over ideal decrees, which caprice, or fancy, is at pleafure to annul, or execute! I fee trade languish—public credit expire-and that glory, which is not less necessary to the prosperity of a nation, than reputation to individuals, a victim to opprobrium and difgrace. Here, my friends, you are particularly interested: for, I believe, I should do little justice to the motives that induced you to brave the dangers and hardships of a ten years, war, if I supposed you had nothing more in view, than humble peace, and ignominious obscurity. Brave fouls are influenced by nobler motives; and I persuade myself, that the rank and glory of the nation you have established, were among the ftrongest that nerved your arms, and invigorated your hearts. Let us not then, my friends, lose fight of this fplendid object; having pursued it through fields of blood, let us not relinguish the chase when nothing is necessary to its attainment, but union, firmness, and temperate deliberation.

In times of extreme danger, whoever has the courage to feize the helm, may command the ship: each mariner distrusting his own skill, is ready to repose upon that of others. Congress, not attending to this reflection, were misled by the implicit respect, that during the war was paid to their recommendations; and without looking forward to times when the circumstances which made the basis of thier authority, should no longer exist, they formed a constitution only adapted to fuch circumstances. Weak in itself, a variety of causes have conspired to render it weaker. Some states have totally neglected their representation in congress; while fonie others have been inattentive,

in their choice of delegates, to those qualities, which are effential to the support of its reputation: objects of fome moment, where authority is founded on opinion only. To these, I am forry, gentlemen, to add a third, which operates with peculiar force in some states—the love of power, of which the least worthy are always the most tenacious. To deal out a portion of it to congress, would be to fhare that, which forne, among those who are elected by popular favour, already find too little for their own ambition. To preferve it, rulers of free states practife a lesson they have received from eastern tyrants: and as thefe, to preferve the fuccession, put out the eyes of all, that may approach the feat of power: fo those thrive to blind the people, whose difcernment, they fear, may expel them

I will not wear your patience and my own, by contending with those chimeras they have raifed, to fright the people from remedying the only real defect of this government: nor will I dwell upon that wretched fyftem of policy, which has funk the interest and reputation of such states in the great council of America, and drawn upon them the hatred and contempt of their neighbours. Who will deny that the most scrious evils daily flow from the debility of our federal constitution? Who but owns, that we are at this moment colonies. for every purpose but that of internal taxation, to the nation from which we vainly hoped our fword had freed us? Who but fees, with indignation, British ministers daily dictating laws for the destruction of our commerce? Who but laments the ruin of that brave, hardy and generous race of men, who are necessary for its support? Who but feels, that we are degraded from the rank we ought to hold among the nations of the earth-Despised by some, mal-treated by

others, and unable to defend ourfelves against the cruel depredations of the most contemptible pirates? At this moment—yes, great God, at this moment, some among those, perhaps, who have laboured for the establishment of our freedom, are groaning in Barbarian bondage. Hands, that may have wielded the sword in our defence, are loaded with chains. Toilsome tasks, gloomy prisons, whips and tortures, are the portion of men, who have triumphed with us, and exulted in the idea of giving being to nations, and freedom to en-

numbered generations!

These, firs,—these are a few of the many evils that refult from the want of a federal government. Our internal conflitutions may make us happy at home, but nothing foort of a federal one can render us fafe or respectable abroad. Let us not, however, in our eagerness to attain the one, forget to preferve the other inviolate; for better is diltress abroad, than tyranny and anarchy at home. A precious deposit is given into our keeping: we hold in our hands the fate of future generations. While we acknowledge that no government can exist, without confidence in the governing power, let us also remember, that none can remain free, where that confidence is incautiously bestowed.

How, gentlemen, shall I apologize for having obtruded this serious address upon the gaieties of this happy day?—I told you, and told you truly, that I was ill qualified to play the holiday orator: and I might have added, that the joy of this day is ever attended, in my mind, with a thousand mingled emotions. Reflection on the past, brings to memory a variety of tender and interesting events; while hope and sear, anxiety and pleasure, alternately possess me, when I endeavour to pierce the veil of futurity. But never, never before,

have they preffed upon me with the weight they do at prefent. I feel that fome change is necessary: and yet I dread, left the demon of jealoufy thould prevent fuch change: or the reftless spirit of innovation, should carry us beyond what is necessary. I look round for aid; - I fee in you a band of patriots—the supporters of your country's rights: I feel myfelf indebted to you for the freedom we enjoy: I know, that your emotions cannot be different from my own; and I strive, by giving you the same views on these important subjects, to unite your efforts in the common cause. Let us, then, preserve pure and perfect, those principles of friendthip for each other, of love for our country, of respect for the union, which supported us in our past difficulties. Let us reject the trammels of party; and as far as our efforts will go, call every man to the post, his virtues and abilities entitle him to occupy. Let us watch with vigilant attention over the conduct of those in power; but let us not, with coward caution, restrain their efforts to he useful: and let us implore that omnipotent being who gave us ftrength and wisdom in the hour of danger, to direct our great council to that happy mean, which may afford us respect and security abroad, and peace, liberty, and prosperity at home.

After the oration was pronounced, colonel Morgan Lewis addressed the newly admitted members, as follows:

Gentlemen,

PREVIOUS to your reception into this fociety, permit us to call to your remembrance the circumstances which gave birth to your institution, and the principal objects which its founders had in view: the reflection will not fail to add to the transports which each patriotic bosom must feel ou this auspicious day.

At the close of that war, which emancipated the inhabitants of this vast continent, and confirmed a revolution greater than any the world had ever been presented with, a gallant band of patriots, who, for eight years, had lived together in habits of the strictest friendship-together borne the numerous hardthips incident to the foldier's life-together braved the various dangers of the field-together fought, bled, and conquered, faw themselves on the eve of separation, and could not bear the thought that it fhould be forever. -- A general anxiety took place, which was heightened by the reflection that new plans of life, new connexions, were to be formed, by men who had devoted themselves to their country, spent their fortunes in her service, and were about to return to the peaceful walks of private life; -- many of them perfeelly destitute, and all without the well earned wages of their toils. The families too of many a departed brother, whom the adverse fortunes of the field had fnatched untimely from them, claimed their affiltance--under these impressions this institution was formed, friendship the motive, and the great object charity; cherished however, by this fentiment, that, in order to preferve that freedom we had fought for, it became effential to maintain that union which had acquired it. Envy, notwithstanding, hath fomtimes ascribed to us improper views; and a too quick apprehenfion of danger, prompted by lively imaginations, hath frequently fuggested the possibility, that a set of men who had fought the battles of their country, and obtained her-an honourable and advantageous peace, were, at the instant of refigning their arms and retiring from the field, meditating combinations dangerous to' that liberty which they themselves' had fecured.

. For vindication from fuch mifre-

presentations we appeal to facts, our own hearts bearing honest testimony to the rectitude of our intentions.

Our affuming the name of an illustrious Roman, whose virtues we wish to emulate, and our having pursued, as far as possible, his noble example, must convince the candid of the sincerity of our professions, when we declare, that our designs are pure and disinterested. Nor have we a wish to confine the election of our members to the military line alone; the choice of this day affords a proof to the world, that distinguished merit, whether it has shone conspicuous in the cabinet or field, hath an equal claim to the honours of our society.

Accept, gentlemen, our warmest congratulations on the joyful occasion of our present meeting:—may each return of this happy day revive in our minds the memory of past achievements—may it enliven our former friendships—may it animate our future exertions in the cause of our country—and may it inspire our national councils with wisdom and patriotism, that our posterity, to the latest period of time, may have reason to respect it as the greatest blessing which heavenever poured in mercy on them.

···

Conjectures concerning wind and water-spouts, tornados and hurricanes.

Communicated by dr. John Perkins, of Boston, to John Morgan, M. D. of Philadelphia, prosessor of the theory and practice of physic; and F. R. S. London, Sc.

WITH respect to water-spouts, what I am about to consider is, whether water ascends or descends in these bodies? A question which, it is reasonable to think, should be determined by facts, and the nature of things; and concerning which, if we wish to attain to any certainty, we must be careful not to be missed by

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fuch appearances and imaginations, as have hitherto commanded the general belief.

Agreeable to this method of enquiry, I shall in the first place produce the observations of three or four persons, in whom I can conside for simplicity and honesty of intention.

The first is that of capt. Melling, formerly of Boston, who informed me that in a voyage from our West India islands, in the month of August, in a warm day, just at evening, a spout fell close by the vessel, and, in two or three seconds of time, came across the stern, where he then was. A flood of water, as he expressed it, poured upon him and almost beat him down; fo that he was obliged to lay hold of what was nearest to him, to prevent being washed overboard, which in his fright he was apprehensive of. the spout immediately passed off with a roaring noise into the sea. I asked him if he tasted the water? Taste it, faid he! I could not help talling it, it ran into my mouth, nose, eyes, and ears. Was it then fresh or falt? As fresh, said he, as ever I tasted fpring water in my life.

The next account I had, was from captain John Wakefield, also of Boston, which was, that being just within the straits of Gibraltar, a spout fell close by his ship, with a great roaring, which he heard as he was sitting in the cabin, the men upon deck immediately crying out for him to come up, which he instantly did, and saw it travelling away before the ship, so near that he plainly saw the water descend. His men assured him that it did so from the beginning. He told me the wind was very small, during the operation

Captain John Howland, of fame town, told me, that in passing the calm latitudes, a spout fell so near, that he evidently saw the water de-B fcend, very contrary to his former opinion, concerning these bodies.

Mr. Samuel Spring, of the fame town, told me that in a voyage from India, in passing the straits Malacca, a spout fell by estimation about sifty yards from their ship; the appearance of which was that of a column of water; or rather a stream of almost contiguous drops from the cloud downinto the sea, making a great froth in the place like water falling among rocks, as he expressed it. He said it was extremely plain that the water descended. One of the ship's crew was with him when he gave me this account, and confirmed it.

Many other accounts I have had, from those who have seen spouts, but so indeterminate as not to be worth much notice; I therefore content myself with the above, which

speak for themselves.

In the next place, I shall make a few remarks on mr. Stuart's figures of spouts, which he took in the Mediterranean, as they are to be seen in the philosophical transactions of London. Le Motte's abridgement; particularly on the pointing to the place of spattering in the water, and the great roar that attends the operation of a large spout; the bush about the soot or base of a great spout; the break or partition in the trunk of it at the top of the bush: and the pillar-like appearance within the bush.

First, I shall endeavour to give some idea of the nature and cause of the pointing, by the external and apparent means that nature uses in the production of a spout; for as to the intimate operations of nature, our faculties cannot reach them. Two or three observations, I suppose, will readily be granted, and shorten my work.

One is, that those places, where the lower region of air is drawn away on one or both fides, either by the heat of neighbouring continents, or in the calm latitudes, from which it passes away into, and for the supply of the equatorial expanse, are likely to be the places most liable to spouts.

In the next place, I expect it will be granted, that the air is much colder in the upper regions, and of confequence specifically heavier, than that near the furface, by which, when there are little or no differing motions of the air (i.e. winds) in or about the region of the clouds, particular spots of air and vapour in the cloud, may be disposed to descend, and, when fo, will take very aptly a particular channel downwards. These things being granted, what is of a like kind will readily be fo disposed too, as, when the atmosphere is full of vapours, condensing into clouds, this condenfation may be quicker in one place than in another, which, by the acquired cold, will become more weighty, and press most in a particu-lar point. Thus it may descend through the more rarefied and yielding subjacent region, the first drops piercing and making a channel, may facilitate the descent of the vapour, till it puts on what Stuart calls a fword-like appearance. The agitation, caused by descending, will accelerate condenfation, which, together with the drops paffing through the vapour, in this channel, may, at every stop in the passage, be wasting the vapour, by taking it up into leffer masses of water, till it ends in a point, which it will in this case naturally do, because the swiftest motion down is in the centre of the pointing body.

Such a fpout may increase, so as to form masses of water, the substance of the cloud, all obstacles removed, passing down in greater abundance, and still more swiftly condensing; or it may presently cease, when it has but just appeared, or, instead of this, make, as it were, several attempts for completing a spout, the vapour

teat advancing and retiring alternately, but which finally fail, without producing effect. Thus it has done, as it feems, when the cloud has not had fufficient fupplies for it to fucceed in a complete and opaque fpout. Such are the appearances of mr. Stuart's figures, &c. The obliquity of the pointing is owing to the courfe of the air, as the bend is to two different ones at different heights.

The next thing proposed to be confidered was the great roar that attends a complete spont while it lasts: and it is the same as that in cataracts or falls of water from great eminences. This kind of roar could not exist in any way of ascent, being very different from that of a whirlwind, which is no other than that of any

other strong wind.

Mr. Stuart's figures of the great fpouts are drawn with the appearance of a bush round their bases: the case is such, that great falls of waters must make a proportionable spray; fo that the appearance is natural, and indeed a necessary consequence. It rifes up from the foot of the spout and falls back in a parabolic manner into the fea. As was faid of the roar just now, fo it may be said of this, that it could not have existed in any conceivable way of ascent; while on the contrary it was perfectly agreeable to nature on the principle of descent. It continues the whole time of a large spout, increasing and diminishing as that does.

The appearance of a break or partition in the trunk of the spout, at the top of the bush, is a very curious phenomenon: it is not real but apparent, and could not have happened without the bush; it being caused by a refraction of rays from the drops that constitute the top of the bush; whence a divergency and so much loss of vision.

In great spouts there is also a pillar-like appearance, being a part of the trunk within the bush and by another refraction, through the side of the bush, by which it appears much bigger than it is, and limited in altitude by the break. The three last are agreeable to the laws of optics; and all the five particulars being attendants on the greater or the smaller spouts, are to me undeniable evidences of the universal descent of waters in these bodies. I pass from mr. Stuart's figures to that of mr. Maine, which is not less curious.

Mr. Maine, in the fame philofophical transactions, has given us the figure of a spout that fell at-Topsham, near Exeter. He has depicted it in the act of striking a boat as it passed a creek: from the bottom of which he has drawn a rebound of the whole body of the fpout projected from it to a large distance; evidently proving the descent: and which, while he is arguing for the ascent, it would have much become him to have accounted for, and to have shewn how it agreed with the doctrine of afcent. The spout proceeding, passed on to the land, and brake off the limbs of a tree, beat off the thatch of a house, and did perhaps various other damage; but we hear nothing of its carrying up any of the light fubstances, and dropping them at great distances, far from any environs of the place, which it would most certainly have done, had there been a whirlwind, or any fupernal fuction employed in the operation.

The supernal suction which some have mentioned, I suppose I may pass over without more than the bare mention of it: but whirlwinds we know there are frequently, and some of considerable strength; so that it being the general opinion that spouts are formed by them, it may not be amiss to examine a little what force they may reasonably be allowed to

have, and the limits of it.

Their genuine cause, supposing

them to be natural productions, is no other than the afcent of the heated and confequently higher air, at the furface, into, or through the colder and confequently heavier regions of the atmosphere above: and in proportion to the different degrees of heat in one of these, and cold in the other, may the strength of these be, but no

Dr. Arburthnot, in his treatise on the air, tells us, that the rarefication of the air in the hottest day in summer, renders it but one tenth lighter than that of the coldest in winter, or in words to this purpose, if I remember right, for I have not his book by me. Supposing then the upper region the same at all times, as the lower one in winter, when a whirlwind happens, it cannot have any greater force than the weight of one tenth of the atmosphere, and considering the reliftance of its rifing which it must encounter, and the friction by the way, not fo much; by which the strength may not be equal to three feet of water. undoubtedly nine parts in ten too weak to make a vacuum, and having a column of water two miles high to support, besides the additional necesfity of still more force to drive it fwifily up, would require an atmofphere two thousand times more weighty than ours, to raife water to the clouds.

Mr. Stuart fays he faw the water afcend in the heart of a spout; which seem to have been an unlucky expression. The bodies of large spouts are too gross and opaque for any one to see to the centre of them; and no one has ever pretended to have seen water ascend in the small ones. His imagination therefore must have been too strong for any one to conside in, so far as he was prejudiced; and at least one of his views was to prove the ascent; which, had he understood nature in a tolerable degree, he would

have renounced.

That there is a gyrating appearance in the great ipouts, seems to have been matter of observation; nor is there any improbability in the thing. As air passing up in whirlwinds, so water, or air, passing down may gyrate; and no doubt it does. The case is, that some have imagined the gyration to have been upwards: but the appearance of gyration up or down may easily deceive, as any one may be convinced by observing the swift turning of artificial screws, in which the direction will appear as the perfon is disposed to fancy it.

We are told the Chinese sailors' answer to the question. what are you afraid of in spouts? is, that they may break in their decks. Which shews they take them to be descents: and their knowledge is from observation

and experience.

I conclude with one short remark, viz. That to believe water ascends in these bodies, to the region of the clouds, is virtually to admit of real and essential miracle, without sufficient proof: and contrary to every idea we can form, of a divinely wise intention.

'Tornados and hurricanes I take to be of the fame general nature, altho' differing in fome circumstances and

appearances.

By the term tornado, or windfpout, I mean a violent wind which has been observed in these northern colonies a few times since they were discovered and settled by our people. But perhaps no part of the terraqueous globe is entirely free from something of the like kind, as the atmosphere is every where liable to similar commotions.

The Spanish term of tornado, feems to have been chiefly used for a violent storm at sea, of larger extent than what I am about to explain, which is of a more contracted nature, and confined to a narrow sphere of action; so that it requires a particular

and fignificant name, such as windfpout, till a more suitable one is found for it

for it.

Description of one. It begins of a sudden; more or less of clouds having been drawn together, a spout of wind coming from it strikes the ground in a round spot of a few rods or perches diameter, with a prone direction, in the course of the wind of the day, and proceeds thus half a mile or a mile. The proneness of its descent makes it rebound from the earth, throwing such things as are moveable, before it, but some sideways from it. A vapour, mist or rain descends with it, by which the path of it is marked and wet.

I shall produce the instance of that at Leicester, a town about fifty miles from Boston, a few years since, which being more violent than usual, may

give some idea of the thing.

It happened in the month of July, on a hot day, about four o'clock, P. M. a few clouds having gathered westward and coming over head, a fudden motion of their running together in a point being observed, immediately a spout of wind struck the ground at the western end of a house, and instantly carried it away, with a negro fellow in it, who was afterwards found dead in the path of it. Two men and a woman, by the breach of the floor, fell into the cellar; one man was driven forcibly up into the chimney-corner. These were preferved, though much bruifed; they were wet with a vapour or mist, as were the remains of the floor and the whole path of the spout.

This wind raised boards, timbers, &c. and carried them before it. A joist was found on one end driven near three feet into the ground. I imagine the spout took it in its elevated state and drove it forcibly down. By what I can learn of its procedure, it continued but three or four seconds of time in a place, pass-

ing along with the celerity of a middling wind, conflantly declining in

strength till it ceased.

There feems to have been fuch a oust as this at cape Cod, about forty years ago, of which I received an account from two men who lived in the neighbourhood of the place. It came on of a fudden, and was so violent that it threw down a young woman who happened to be in the way of it: she was forced to lay hold on the bushes which happened to be within her reach, to prevent her being carried away by it. It passed a pond of water, and the people wondered it did not fuck up the water, as they conceived it to be a water-spout; but it did not. The young woman was however wet with the vapour that accompanied it.

Of hurricanes, particularly those of the West India Islands.

To account fatisfactorily for these convulsions of our atmosphere, requires a greater number and more circumstantial observations than we are at present furnished with; so that all that can at present be said of their origin and causes, must be very conjectural. However, since an attempt to explain them may give occasion to surther and more exact observations, I shall proceed to offer my present thoughts concerning them.

I believe those of the West-India islands to be owing to some occasional obstruction in the usual and natural procedure of the equatorial trade. This I conjecture from the more than usual preceding calms. In the natural course of this trade, the air rises up in the line, and passes off towards the poles, and, in the more contracted degrees of the greater latitudes, proves the course of their western trades: So that could this ascent be prevented through the whole circle of that zone, there would be no more

westerly winds in these latitudes than

any others.

Over-violent rains and cold naturally tend to check the afcent of air out of this circle, rather making it descend. And as there are annual rains in the equator over against those islands, and in some years more than others, it is eafy to conceive fuch an effect, and the confequences. Great clouds and over-much vapour generate cold and weight, while at the fame rime the rains are beating down the sir; and as these prevent the rising of the air out of the line, fo they hinder its usual progress to it from the tropics on both fides. Thus calms must take place; by which the natives used to predict approaching hurricanes, without understanding the reason of

the thing.

Much of calms in the inter-tropical climates cause rarefications, and afcents of air into the upper regions, instead of its being carried to the line to be disposed of in the grand circulation of the atmosphere; this will be the case more especially among the islands, which increase the heat of the atmosphere. Then by these ascents there will be accumulations of air above, which, becoming cold in the higher regions, will acquire a greater specific weight, and be difposed to descend on the first giving way of the more rarefied and yielding subjacent region; and this will be the case when there happens not to be fufficient motions of air in the middle region to keep smooth and even the strata of the more and the less rarefied regions; and so prevent particular portions and places from bending downwards; and it is this alone that does prevent it. By a failure in this, a descent once begun, the confequences cannot be prevented. The heavy quantity above will continue to descend till all the upper cold regions are exonerated to many hundreds of miles round; and all their

contents shifted into the place of the rarefied and lighter air below.

Such are my ideas of the causes and operations of a hurricane in those climates. I have only to add here, that the rains in these violent storms are, as I think, a strong confirmation of the doctrine of descent; as they are in that kind of hurricane called by failurs the ox's eye, on the coast of Guinea; and the like happens under various names in different parts of our globe. Even the wind in our thunder-gusts is from descent; the air in the cloud being rendered dense and weighty, descends, and slows in the direction of the wind of the time, and with the more violence, by the warm air at the furface giving way to it. These are sometimes ftrong, but feldom attended with danger or damage.

What objections may be raifed against these opinions, shall be candidly attended to; in the mean time, there is one objection that must be obviated, the argument being somewhat interested in it. It is as follows.

Having expressed my opinion that hurricanes and tornados or wind spouts have the same general nature, while we see a great disparity intheir magnitude and procedure; some explanation seems necessary to prevent mistakes; I think a little consideration of the place, climate, and circumstances, may remove the difficulty.

The earth is an oblate spheroid, its diameter many miles greater at the equator than at the poles, caused by its diurnal centrifugal force. If this then has so great an effect on terraqueous matter, it cannot have less on our air, but if any difference, rather more: especially if we consider, that the atmosphere makes a larger diameter, and yet revolves in the same time, so that its centrifugal force must be proportionably greater. The diurnal motion of the earth tends to throw a vast surplus of air on the equator, by

which there is probably more air between the tropics than on the rest of the globe. But this is a matter of conjecture, not to be perceived by any fort of pressure, any more than by the barometer, for reasons, obvious to those conversant in the nature and effect of the feveral principles. However, it might not be amiss to observe whether there be any difference in the height of the mercury before any of these storms. But to return.

Although the air in the inter-tropical latitudes, is in general lighter han in the remote ones, yet when the ipper air has obtained a passage downvard, it being vast in quantity, and occupying great space, it will belong n accelerating and passing down. The passage is long, so that it will gain a great deal of the force we find t has, by the length of descent. Neiher will the middle region be difofed to shut up without a brisk wind n it, before the whole, even to remote egions, is discharged through the irge hiatus, as before mentioned, and ow repeated, to account for the dution and extent of these otherwise onderful winds, with fuch unrelentng violence.

Far different is the case of the high titude tornados in their circumances and their manner, although areeing in their general nature. entrifugal force here has extremely ttle effect, unless to cast the atmohere towards the equator, instead of ising or increasing its quantity over ly given place on either fide. Beles, there is the attraction of the fun, oon, and all the other planets for er within the tropics attracting the mosphere that way; and lessening e height of the high latitude atmohere, which, therefore, may be supfed not a fourth fo high from the face as that.

Since then the atmosphere is vastly in height, and also much less in antity, than toward the line, the

descents must naturally be very diffe-Here are no accumulations aloft. The quantity ready for a difcharge downward is vastly less, and the passage narrow and contracted; and by the almost constant motions of air, were there more supplies, it would foon that up. Besides, there is little aptness to flow from surrounding regions, by reason of the smallness of their depth, &c. And yet fo great is the specific weight of what descends, that the first assault has been known to equal the greatest violence of the proper hurricanes in their most powerfu! moments.

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From the Pennsylvania Magazine. CONSOLATION for the OLD BA-CHELOR.

Mr. AITKEN,

YOUR Old Bachelor having in a very picturesque and pathetic manner set forth the miseries of his folitary fituation, feverely reproaching himself for not having married in his younger days; I would fain alleviate his diffress, by shewing, that it is possible, in the nature of things. that he might have been as unhappy, even in the defirable matrimonial state.

I am a tradesman in this city, and, by unremitted industry, am enabled, from the profits of my business, to maintain a wife and one daughter, now fix years old, very comfortably, and to lay up a little at the year's

end, against a rainy day.

My good wife had long teized me. to take her to New York, in order to visit mrs. Snip, the lady of a wealthy taylor in that city, and her cousin; from whom she had received many preffing invitations. jaunt had been the daily subject of discussion at breakfast, dinner, and fur per, for above a month before the

time fixed upon for putting it into execution. As our daughter Jenny could by no means be left at home. many and great were the preparations to equip miss and her mother, too, for this important journey; and yet, as my wife affored me, there was nothing provided, but what was absolutely necessary, and which we could not possibly do without-my purse sweat at every pore-at length the long expected day arrived, preceded by a very reftless night; for as my wife could not fleep for thinking on the approaching jaunt, neither would she suffer me to repose in quiet-if I happened, through weariness, to fall into a slumber, she foon roused me again by some unreasonable question or remark: frequently asking me whether I was fure the apprentice had greafed the chair wheels, and feen that the harness was clean and in good order; often observing, how surprised her cousin Snip would be to see us, and as often wondering how poor dear miss Jenny would bear the fatigues of the journey. Thus passed the night away in delightful discourseif that can properly be called a difcourfe, wherein my wife faid all that was faid; my replies never amounting to more than the monofyllables yes or no, uttered between fleeping and waking.

No fooner was it fair day-light, but up started my notable wife, and foon roused the whole family. The little trunk was stuffed with baggage even to bursting, and tied behind the chair, and the chair box moreover crammed with trumpery—miss Jenny was dessed, and breakfast eat in haste. The old negro wench was called in, and the charge of the house delivered to her care—the two apprentices and the hired maid received many wholesome instructions and cautions for their conduct during our absence—all which they most libe-

rally promifed to observe. I waited with infinite patience the fettlement of these preliminaries. At length. however, we fet off, and turning the first corner, lost fight of our habitation, with great regret on my part, and no less joy on the part of my wife and miss Jenny. When we got to Poole's bridge, there happened to be a great concourse of waggons, carts, &c. fo that we could not pass for some time: miss Jenny was frightened-my wife very uneafy and impatient-wondered I did not call out to those impudent carters, to make way for us, observing "that I had not the spirit of a louse—that I let every body impose upon me." Having at last got through this difficulty, we proceeded on our way without obstruction-my wife in good humour again-miss Jenny in high spirits. At Kenfington fresh troubles arose, Bless me, miss Jenny, says my wife, where is the little band box ?- " 1 don't know, mamma—the last time I fawit was on the table in your room." What's to be done! the band-box is left behind—it contains miss Jenny's new wire cap—there is no possibility of doing without it-as well no New York, as no wire cap—there is no alternative, we must e'en go back fo. Teized and mortified as I was. my good wife undertook to adminifter confolation, by observing, " that it was my place to fee that every thing was put in the chair that ought to be—that there was no dependence upon me for any thing—that unless the looked after every thing herfelf, the was fure to find fomething neglected-and that the faw plainly, I undertook this journey with an ill will, merely because she had fet her heart upon it." Silent patience was my only remedy-An hour and a half restored to us this valuable requifite, the wire cap, and brought us back to the place where the loss of it was first discovered.

After numberless difficulties and unparalleled dangers occasioned by flumps, ruts, and tremendous bridges, we at length reached Shammeny ferry. But how to cross it, was the difficulty -my wife protested, that neither she nor Jenny should go over in the boat with the horse. I affured her in the strongest terms, there was not the least danger—that the horse was as quiet as a dog; as well he might be, after tugging fuch a load. But the most forcible argument was, that she must go that way, or not at all, as there was no other boat to be had. Thus perfuaded, she ventured in-The flies were troublesome; the norse kicked--my wife was in panicsmiss Jenny in tears. Ditto at Trenton ferry. As we started very early, and the days were long, we reached Trenton by two o'clock. Here re dined-my wife found fault with every thing; ate a very hearty dinner-declaring, all the time, there was nothing fit to eat. Miss Jenny crying out with the tooth-ach-her mother making fad lamentationsill my fault, because I did not make the glazier replace the broken pane of glass in her chamber window-N. B. I had fent twice for him, and he promised to come; but he was not fo good as his word. After linner, proceeded on our journey. My wife in good humour. Mifs Jenny's tooth-ach much better. Vatious chat. I acknowledge every thing my wife fays, for fear of difcomposing her. We arrive in good time at Princeton. My wife and laughter admire the college-refresh purselves with coffee-go to bed eary, in order to be up by times for next day's expedition.

We embarked once more in toleraole good humour, and proceeded hapoily on, till we came to Rocky Hill. Here my wife's fears and terrors returned with great force. I drove as carefully as possible; but coming to

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a place where one of the wheels must unavoidably go over the end of a fmall rock, my wife, in a great panic, feized hold of one of the reins, which happening to be the wrong one, she pulled the horse so as to force the wheel much higher up the rock than . it would otherwise have gone—and overset the chair. We were all tumbled hickledy pickledy into the dirt. Miss Jenny's face all bloody -the woods echo with her cries; my wife in a fainting fit-and I in great mifery, fecretly and devoutly wishing cousin Snip at the d----. Matters begin to mend. My wife recovers-Miss Jenny has only received a small scratch in her cheek. -The horse stands guite still, and none of the harness is broke.-Matters grew worfe again—The twine, which tied the band box, had broke in the fall; and the aforefaid wirecap was found foaking in a nafty mud-puddle. Great lamentation over the wire cap-all my fault, because I did not tie it better. No remedy-no wire caps to be bought at Rocky Hill. At night, my wife difcovered a small bruise upon her hip -was apprehensive it might mortify -did not know but the bone was broke or splintered-many instances of mortifications arifing from small injuries. After passing, unhurt, thro' the imminent dangers of Passayeck and Hackenfack rivers, and the vet more dreadful horrors of Powles Hook ferry, we arrived, on the third day, at cousin Snip's, in the city of New York.

Here we tarried a tedious week. My wife spent me a great deal of money in purchasing a hundred useless articles, which we could not possibly do without; and every night, when we went to bed, fatigued me with encomiums on her cousin Snip, leading to a history of the grandeur of her family, and concluding with reproaches thrown at me

for not treating her with as much homage and respect as I ought. On the feventh day, however, my wife and cousin Snip had a very warm debate, respecting the comparative elegancies and advantages of the citics of New York and Philadelphia. The difpute ran very high, and maaggravating words passed between the two advocates. The next morning, my wife declared that my business absolutely required my attendance at home, and that it was not possible for us to stay any longer. After much ceremonious complaifance, in which my wife was by no means exceeded, we left the famous city of New York, and I with great fatisfaction looked forward to the wishful period of our safe arrival in Water-street. But this bleffing was not fo easily to be purchased. Lest I should seem tedious, however, I shall not recount the adventures of our return-how we were caught in a thunder gust-how our horse tired, by which we were benighted above three miles from our stage—how my wife's panics returned—how miss Jenny howled—and how very miferable I became. Sufficient be it to fay, that after many diffressing disasters, after much vexation and trouble, we at length arrived at our own door.

No fooner had we entered the house. but we were informed that one of our apprentices had gone off with the hired maid, no body knew wherethe old negro wench had got drunkfallen into the fire-and burned out one of her eyes,—and my wife's best china bowl was broken to pieces. My wife's usual ingenuity contrived to throw the blame of all thefe misfortunes upon me. As this was a consolation to which I had been long accustomed, in all untoward cases, I had recourse to my usual remedy, to wit, filence and patience. And after fincerely praying, that I might never fee coufin Snip again,

I fat down industriously to my trade; endeavouring to retrieve my manifold losses.

This is only a miniature picture in the decorations of the married state, which I hold up to the view of your old bachelor in hopes it may tend to abate his choler, and reconcile him in some degree to a single life.

If this opiate should not be sufficient to give him some case and comfort, I may, perhaps, hereaster administer a stronger dose; or rather, to resume my sormer metaphor, shall send him a picture of the married state more at length, and taken from the life.

Philadelphia, June 1775. A. B.

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Observations on the growth of trees downwards; concluded from page 42.

THE first appearance of vegeta-tion among trees here, is the tion among trees here, is the flowing of the fap in the fugar ma This begins with the frosty mornings, in the month of February. These hoar frosts never appear but when the air is moist; and it is invariably certain, that the fap ceafes to flow, when the wind is at northwest, and the air dry, be the state of the earth, as to moisture or frost, as it may. From hence it appears, that the fap is extracted from the air, even before the leaf is expanded, and not from the earth, as is generally supposed.

The next appearance of vegetation, is the swelling of the bud, in the scarlet maple; and in this, as in all other trees, it is to my purpose to observe, that the uppermost buds always swell first, and its beautiful blossoms are seen earliest to unfold on the topmost boughs. This cannot depend on a sap, derived from the root; for, in that case, the lowermost should have unfelded first.

The husbandmen of New Jersey, upon those lands which do not produce oak-timber sufficient for fencing, thave the bark from the pine trees in the latter part of the winter; and, in the fpring, the turpentine running down over that part of the tree which has been barked, fills the pores, and preferving it against the water, renders the pine a very durable post for fencing. The turpentine, as I conceive, being collected from the air, descends from the top of the tree. This practice, lately introduced, deferves attention, not only as an argument in this question, but as an important lesson of instruction to those who live on pine lands.

The experiments made on fruit trees, by extending their branches into green-houses, while the roots remain in the ground, need not be repeated. They are better known than understood; and can only be accounted for, by supposing that their nourishment is derived from the air. Of this the following ex-

periment may be a proof. A branch of the maple being feparated from the tree, and the lower end fealed, placed in any part of the tree, will bloom as foon as any of the adjoining branches, not feparated from the tree, will do. The buds of trees, deriving their nourishment from the air, fend down their fibres between the bark of the tree and the former year's growth of wood, and lay an additional wood over the former growth. It is upon this principle alone, that the growth of inoculations can be accounted for; and it is clear and plain, that every bud has its own pith, perfectly distinct from the tree it is attached to, and has also in itself every other part of a tree.

From a due confideration of what has been faid, it will appear, that the growth of annual plants is the expanding of the parts contained within their feeds as bulbs, and a production of other feeds and bulbs, perfectly duftinct and unconnected with the former; but that the growth of trees, after the first year, is the expanding of buds, adhering to the former growth, and the fitting of other buds for future growth, attached to the tree, as well as forming of feeds, as annual plants do.

APPLICATION.

THE foregoing remarks were introduced into this work, with a view to apply the doctrine of the growth of trees and vegetables by accretion or an accession of particles to the buds and leaves, to a valuable

agricultural purpose.

I could produce other proofs of the truth of the doctrine; but the foregoing are sufficient. I take it to be a fact that trees and vegetables receive most of their nutriment by the extreme parts of their branches; and hence we learn the reason, why land becomes rich much sooner, when certain vegetables grow upon it, than when it is suffered to lie barren.

The common practice among our farmers is to wear out a piece of land, and if they cannot manure it, let it lie vacant, till it acquires fome fertility, merely by the spontaneous growth of weeds, or by other means, as rain, snow and frost. This is a great waste and loss to the farmer, who wants to improve all his land. The practice must proceed from great ignorance of the laws of vegetation, and marks the low slate of agriculture in this country. It is directly the reverse of a proper method of managing land.

Land should always be covered with vegetables of some kind; but the crops should be frequently changed. Some kinds of grain impoverish land much sooner than others. Corn requires rich land, and always ira-

pairs its fertility. Rye will grow on poor land many years, and without a great diminution of the crop.

This and other circumstances render it questionable, whether the manure or faline particles of land ever enter and compose a part of the vegetables; and whether the only purpole of manure is not to give a certain cement or a confiftency to the earth, necessary to retain and support the roots. Thus, fand, which is too loofe itself to support any plants, may, by being mixed with clay, become a good foil; and a pure clay is generally too hard and firm to admit the growth of plants; it should therefore be mixed with fand or light earth. Marine falt is the best of manure; hence, the fertility of Rhode Island and other parts of the fea shore, is preserved by spreading the field with fea weed. am told that marine falt, after producing great crops for a few years, waites and impoverishes the foil, fo that it will produce nothing. therefore becomes necessary to neglect this species of manure, after 6 or 7 years using it, on the same field, and give the land a coat of stable manure, or fuffer it to acquire strength by the plants, grafs, or weeds of a spontaneous growth. This is a proof that the vegetable manure is more agreeable to nature than the marine.

I believe that by a proper rotation of crops, any foil, tolerably firm and good, may be kept in what the farmers call good heart, without the applicatior of manure. When the ftrength of land is, in fome measure, exhausted, by crops of corn, wheat, flax, oats, &c. which should succeed each otles, in the order that experience preves to be best, let it be laid down with clover, which will produce a good crop for hay, or good feed, and, at the same time, enrich the land. Whether the grass collects nitrous particles from the air, which

are communicated through the stalks and roots to the earth, I pretend not to determine-Certain it is, that if plants grow by an accretion of particles of water to the leaves and buds, which is the present hypothesis, then vegetation collects fome property from the atmosphere, which, descending to the earth in the living blades, or by putrefaction, fertilizes the land. Leave the barren earth to itfelf, and but few weeds will fpring up the first year to make this collection-A crop of clover will immediately answer the purpose-it will last but two or three years; but affords good mowing and pasture, and leaves the earth enriched. Turnips are also found to enrich land.

I would urge another method. When a field is impoverished, let it be ploughed fix inches deeper than usual. The soil below the usual depth of ploughing, whatever be its colour, whether black or red, possesses a property which will produce good crops. Let the land be used thus for a few years, and the barren foil, which is turned from the furface, beneath the usual depth of ploughing, will acquire the same property. Thus by changing the furface of the field, These methe richness is preserved. thods of keeping vegetation on land, and fometimes changing the furface by deep ploughing, will be of infinite use to farmers who have not marl, plaister of Paris, or plenty of other Noah Webster. manure.

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Letter concerning chimnies—containing some directions to prevent them from smoking.—Addressed to his excellency Benjamin Franklin, by dr. Ruston.

> Philadelphia, Jan. 12, 1786. SIR.

HE subject of smoky chimnies, on which I had the honour of conversing with you at your

own house last evening, is of so much importance to every individual, as well as to every private family, that too much light cannot be thrown upon it.

A smoky house and a scolding wife, Are two of the greatest ills in life.

And however difficult it may be to remedy one of those ills, yet any advances we may be able to make towards removing the inconveniencies arising from the other, cannot fail to be favourably received by the public. As they are shortly to be favoured with your fentiments on that subject, possibly the following obfervations, which were in fact occafioned by necessity, and are the result of my own experience, may not be altogether undeserving of notice.

When I left London, and went to live in Devonshire, in the latter end of the year 1777, it happened to be my lot to dwell in an old mansion which had been recently modernised, and had undergone a thorough repair. But, as in most of the old houses in England, the chimnies, which were perhaps originally built for the purpose of burning wood, though they had been contracted in front, fince coal fires came into general use, to the modern size, yet they were still, above, out of fight, extravagantly large. This method of building chimnies, may, perhaps, have answered well enough, while it was the custom to fit with the doors and windows open; but when the cuitoms and manners of the people began to be more polished and refined-when building and architecture were improved—and they began to conceive the idea of making their chambers close, warm, and comfortable, these chimneys were found to finoke abominably, for want of a sufficient supply of air. This was exactly the case with the house in which I first lived, near Exeter, and I

was under the necessity of trying every expedient I could think of, to make it habitable.

The first thing -I tried, was that method of contracting the chimnics by means of earthen pots, much in use in England, which are made on purpose, and which are put upon the tops of them; but this method by no means answered. I then thought of contracting them below: but as the method of contracting them in front to the fize of a small coal fire grate, has an unfightly appearance, as it makes a disagreeable blowing like a furnace, and as it is the occasion of confuming a great deal of unnecessary fuel, the heat of which is immediately hurried up the chimney; I rejected this method, and determined to contract them above, a little out of fight. For this purpose, I threw an arch across, and also drew them in at the This had some effect, but as this contraction was made rather fuddenly, and the smoke, by striking against the corners that were thereby occasioned, was apt to recoil, by which means, some part of it was thrown out into the room; I determined to make the contraction more gradually, and therefore run it up at the back, where the depth of the chimney would admit of it, and alto fhelving or floping in a conical kind of direction at the fides, as high as a man, standing upright, could conveniently reach, and by this means, brought the cavity within the space of about twelve by fourteen or fixteen inches, which I found fufficiently large to admit a boy to go up and down to fweep the chimnies. This method I found to fucceed perfectly well, as to curing the chimnies of fmoking, and it had this good effect of making the rooms confiderably warmer; and as this experiment fucceeded so well, fince the only use of a chimney is to convey away the fmoke, I determined to carry it flill

farther, in order to afcertain with precision, how much space is absolutely necessary for that purpose, because all the rest that is shut up, must be so much gained in warmth. Accordingly, I laid a piece of flate across the remaining aperture, removable at pleafure, fo as to contract the fpace above two thirds, leaving about three inches by twelve remaining open; but this space, except when the fire burnt remarkably clear, was fcarcely sufficient to carry away the smoke. I therefore enlarged it to half the space, that is, to about fix by seven or eight inches, which I found fully fufficient to carry away the smoke from the largest fires.

When I removed into the Bedford Circus in Exeter, though the house was modern, and almost persectly new, yet the chimnics were large; in consequence of which almost every room of it smoked. My predecessor, who was the first inhabitant, had been at great expense in patent stoves, &c. but without effect; but by adopting the method I have described, I not only cured every chimney of smoking, but my house was remarked for being one of the warmest and most comfortable to live in, of any in that

large and opulent city.

The house I now live in, in Philadelphia, I am told, has always had the character of being both cold and finoky; and I was convinced, as foon as I faw the rooms, and examined the chimnies, that it deferved that character; for, though the rooms were close, the chimnies were large: and we shall ever find, that if our chimnies are large, our rooms will be cold, even though they should be tolerably close and tight; because the constant rushing in of the cold air, at the cracks and crevices, and also at every opening of the door, will be fufficient to chill the air, as fast as it is heated, or to force the heated gir up the chimney; but by contract-

ing the chimnies, I have cured it of both these defects. There was one remarkable circumstance attending the contraction of the chimney in the front parlour, which deferves to be attended to; which was, that before I applied the cast iron plate, which I made use of instead of slate, to diminish the space requisite for a chimney fweeper's boy to go up and down, the fuction or draught of air was fo great, that it was with difficulty I could shut the door of the room, infomuch that I at first thought it was owing to a tightness of the hinges, which I imagined must be remedied, but upon applying the iron plate, by which the space was diminithed one half, the door shut to with the greatest ease. This extraordinary pressure of the air upon the door of the room, or fuction of the chimney, I take to be owing in fome meafure to the unufual height of the house.

Upon the whole, therefore, this fact feems clearly afcertained, viz. That the flue or fize of the chimney, ought always to be proportioned to the tightness and closeness of the room: some air is undoubtedly necessary to be admitted into the room, in order to carry up the fmoke, otherwife, as you justly observed, we might as well expect fmoke to arife out of an exhausted receiver; but if the flue is very large, and the room is tight, either the smoke will not ascend, for want of a sufficient supply of air to fill this large chimney, in consequence of which your room will be in a constant smother, occafioned by the fmoke-or elfe you must be under the necessity of admitting a greater quantity of air into your room, in order to afford this supply of air; the consequence of which will be, that the air of your room will be so frequently and so confiantly changed, that the warm air, as fast as it is heated, will be

hurried away, with the smoke, up the chimney, while its place is supplied with cold air, and of courfe your room will be constantly cold.

One great advantage attending this method of curing fmoky chimnies, is, that in the first place, it makes no aukward or unfightly appearance, nothing being to be feen but what is usual to chimnies in common; and in the fecond place, that it is attended with very little expense, a sew bricks and mortar, with a plate or covering to the aperture, and a little labour, being all that is requifite. But in this new country, where crops of houses may be expected to rife almost as quick as fields of corn, when the principles upon which chimnies ought to be constructed, are thoroughly understood, it is to be hoped, that not only this expense, small as it is, but that all the other inconveniencies we have been speaking of, will be avoided, by constructing the flues of the chimnies fufficiently finall.

> From your humble fervant, THOMAS RUSTON.

> > ****

The petition of the people called quakers, of New England-To the general affembly of the state of Rhode-Island:

Respectfully sheweth,

THE religious fociety of the people called quakers, in New Enggland, met together in their annual affembly on Rhode-Island, for the purpose of promoting the cause of religion, of piety, justice, and good order-

That being deeply affected with a fense of the uneafiness and disfatisfaction of the present time, and the calamity and diffreds which threaten the inhabitants of this country, without amendment and reformation: and being impressed with

a belief, that much now lies at the door of the civil authority, we are engaged, from a fense of religious duty, as well as of that allegiance we owe and acknowledge to the government under which we live, to address you on this occasion.

We trust it will not be judged improper, that we take this opportunity to lay before you our concern, and to recommend to your ferious confideration, a repeal or amendment of fuch acts of affembly as are obvioully inconfishent with that attention to the preservation of justice, integrity and uprightness, among the people, without which we can have no reafonable hope or confidence to alk for the bleffings of peace and profperity. Remembering that it is "righteoufness exalteth a nation," and that civil authority, being ordained by God " a terror to evil doers, and praise to them that do well," is accountable to him for every act which is found to have a contrary operation upon the people.

Among other things, which have affected us with pain, that unrighteous and inhuman trade to Africa for flaves, and the cruel bondage confequent thereon, having long refled upon our minds with concern-we are especially engaged, at this time, to revive to your confideration, the case of that oppressed people, whom, from their fituation, being incapacitated to plead their own cause, we have apprehended ourselves called upon by the father and protector of the whole family of mankind, in a fense of religious duty, to endeavour

to affift and relieve.

There are many instances on record of the fingular chattifements, which the supreme judge and ruler of the universe has appointed to nations who have notoriously deviated from the principles of justice and mercy; we conceive it would be highly becoming you, as legislators and futhers of the people, as well as greatly conducive to your true peace and real honour, as individuals, feriously to confider how repugnant this traffic is to both; and, by a timely exertion of that authority entrusted to you, contribute your endeavours to prevent the sufferings of multitudes of that injured people, and avert from our land the judgments of him who has declared himself the avenger of the oppressed.

Being perfuaded we address men generally convinced that this branch of commerce, and the treatment of the unhappy subjects of it, are contrary to the golden rule of doing as we would be done by; we intreat you feriously to consider, whether divine approbation can be expected, upon the exercise of civil authority, whilst individuals are permitted to prosecute this commerce in an oppression of their fellow-men, without restraint

or difapprobation.

Under the influence of these considerations, and fuch others as the fubject must naturally fuggest, if weightily entered into, we are encouraged to hope, that this application, in behalf of that afflicted and oppressed part of our fellow-men, will meet your approbation. We therefore request, that you will take this case under ferious confideration, and cause such a law to be enacted, as you in wisdom judge the most effectual to prevent that cruel and unjust trade, and finally to abolish that barbarous custom of holding mankind as flaves.

Signed, in and on behalf of our faid meeting, by

WILIAM ALMY, clerk to the meeting this year.

Description of the white mountains in New Hampshire. By the rew. Jeremy Belknap.

THE white mountains, in the northern part of New Hamp northern part of New Hampshire, have, from the earliest settlement of the country, attracted the attention of all, forts of perfons. They are, undoubtedly, the highest lands in New England, and are difcovered in clear weather by vessels coming on the eaftern coast, before any other land; but, by reason of · their bright appearance, are frequent-They are ly mistaken for clouds. feen on shore, at the distance of fixty or eighty miles, on the fouth and fouth-east fides, and are faid to be plainly visible in the neighbourhood of Quebec. The Indians had a superstitious veneration for them, as the habitation of invisible beings; and for this reason never ventured to ascend their fummits, and always endeavoured to discourage every person who attempted it. From them, and the captives whom they formerly led to Canada, through the pass of these mountains, many fictions have been propagated through the country, which have in time swelled to marvellous and incredible stories; particularly, it has been reported that carbuncles have been feen at immenfe heights, and inaccessible spots, which gave a lustre in the night.

gave a lustre in the night.

Those who have attempted to give an account of these mountains, have ascribed their brightness to shining rocks or white moss; and the highest summit has been represented as inaccessible, by reason of the extreme cold, which threatens to freeze the traveller in the midst of summer. They have also differed so widely from each other, and their accounts have been embellished with so many marvellous circumstances, and, on the whole, have been so unfatisfactory, that I have long wished for an

epportunity to vifit these mountains in company with some gentlemen of a philosophical turn, surnished with proper instruments and materials for a sull exploration of the phenomena that might occur. This pleasure I have in part enjoyed the present summer; and, though the roughness of the way, which prevented the use of convenient carriages, proved fatal to some of our instruments, and the almost continual cloudiness of the weather, while we were in that region, hindered us from making some observations, which we intended—yet, till a better account that what follows will prove more suitsfactory than any which has yet been published or reported.

The white mountains are the highest part of a ridge which extends north-east and south-west to an unknown length. The area of their base is an irregular figure. somewhat resembling an isoceles triangle, whose longest extremity is towards the fouth, and whose whole circuit cannot be less than fifty The number of fummits within this area, cannot be afcer-tained at present, the country round them being a thick wilderness. On the north-west side, seven summits are in plain view: and this is the greatest number that can be feen at once from any flation that is cleared of woods. Of these, four it least are bald. The highest of hem is on the eaftern fide of the cluster, on which fide we ascend-ed, having first gained the height of land between the waters of Saco and Amarifcogin rivers, to which there is a gradual ascent for twelve niles from the plains of Pigwackt. At this height of land, there s a meadow, which was formerly beaver-pond, with a dam at each end. The water isfues out of a mounain on its eaftern fide, in the form Vol. III. No. II.

of fprings, and meandering through the channels of the meadow, appears flagmant in the middle; but, dividing its course, at the south end of the meadow, it runs into Ellis river, a branch of Saco; and at the north end, into Peabody river, a branch of Amariscogin. From this meadow, there is an uninterrupted ascent, on a ridge between two deep gullies, to the highest summit.

The fides of the mountains are covered with spruce trees; the surface is composed of loose rocks covered with very long green moss, which reaches from rock to rock, and is in many places fo thick and drong as to support a man's weight. This immense bed of moss spread over the furface of these mountains, ferves as a spunge to retain the moilture brought by the clouds and vapours, which are continually rifing and gathering round the mountains; the thick growth of fprice prevents the fun's rays from penetrating to exhale it; fo that there is a conflant fupply of water to the numberless springs with which this region abounds, and an unceasing circulation of sluid, the process of which is highly entertaining to the spectator; for no sooner has a shower descended from the clouds, but the vapour rifes from the leaves of the forest in innumerable little columns, which, having gain-ed a certain height in the atmosphere, collect and converge towards the mountains, where they either fall again in showers, or are imbibed by the moss, and deposited in the crevices of the rocks, seeking their way to the hard stratum or pan which is impenetrable, and which guides them till they find vent in fprings. The same liquid tribute is daily exhaled from the rivers, ponds, and low grounds, and attracted to the mountains, which, by these means, are always

replenished with water in every

part.

The rocks, of which these mountains are composed, are in some parts slate, in others slint, but towards the top, a dark grey slone, which, when broken, shews specks of singlass. On the bald parts of the mountains the stones are covered with a short grey moss, and, at the very summit, the moss is of a yellowish colour, and adheres similar to the rock,

Eight of our company ascended the highest mountain on the twenty-fourth of July, and were six hours and fifty-one minutes in gaining the summit, deducting one hour and thirty-eight minutes for the necessary slops. The spruce and firs, as you ascend, grow shorter, till they degenerate to shrubs and bushes; then you meet with low vines bearing a red and a blue berry, and lastly a fort of grass called winter grass, mixed with the moss.

Having ascended the steepest precipice, you come to what is called the plain, where the afcent becomes gentle and eafy. This plain is composed of rocks, covered with winter grass and moss, and looks like the furface of a dry pasture or common. In fome openings between the rocks, you meet with water, in others dry gravel. The plain is an irregular figure, its area uncertain; but from its eaflern edge to the foot of the fugar-loaf, is upwards of a mile; on the western fide it extends farther. The fugarloaf is a pyramidal heap of loofe grey rocks, not less than three hundred feet in perpendicular height, but the afcent is not so difficult, as the precipice below the plain. From this fuminit in clear weather is a noble view, extending to the ocean on the fouth-east; to the high lands on the west and north-west, which separate the waters of Connecticut river from those of lake Champlain and St. Laurence; on the south it extends to Wimipiseogee lake, and the highlands southward of Penigewasset river.

It happened unfortunately for our company, that a thick cloud covered the mountain almost the whole time that they were on it, so that some of the instruments, which with much labour they had carried up; were useless. In the barometer the mercury ranged at 22,6 inches, in forty-four degrees of heat by Farenheit's thermometer. It was out intention to have placed one of each of these instruments at the foot of the mountain, at the fame time that others were carried to the top; but they were unhappily broken in the course of our jour-ney, and the barometer which was carried to the fummit, had fuffered fo much agitation that an allowance was necessary to be made in calculating the height of the mountain, which our ingenious companion, the rev. mr. Cutler, of Ipfwich, estimates in round numbers atfive thousand five hundred feet above the meadow, the meadow being three thousand five hundred feet above the level of the fea, and this feems to be as low an estimation as can be admitted. We intenda ed to have made a geometrical menfuration of the altitude, but in one place where we attempted it, we could not obtain a base of sufficient length, and in another, where this inconvenience was removed, we were prevented by the almost continual obscurations of the mountains by clouds.

On every fide of these mountains are many long winding gullies, beginning at the precipice below the plain, and deepening in the descent; they are from one hundred to one thousand feet deep, and perhaps more. In winter, the

fnow driving with the north-west winds over the tops of the mountains, is lodged in these gullies, and forms a compact body which is not easily dissolved by the ver-nal sun. It is observed to lie longer on the fouth, than on the north-west sides; which is the case with most other hills in this part of the country. In one thousand seven hundred and feventy-four, some men who were at work on a road under the eaflern fide of the mountain, afcended to the fuminit on the 6th of June, and upon the fouth fide found a body of snow 13 feet deep, and so hard as to bear them. The man from whom I had this account, and who had the direction of the work, ascended the mountain on the 19th of June, with some of the same party, and in the same spot the snow was five feet deep. On the 22d of July this year, we were affured by persons who live within plain view of the mountains, on the fouth fide, at the dillance of fixteen miles, that the snow had not been gone more than ten days. We were alfo credibly informed that two men, who attempted to afcend the mountain the first week of September, last year, found the bald top to co-vered with fnow and ice, then newly inade, that they could not gain the fummit; but this does not happen every year to foon, for the mountain has been afcended so late as the first week in October, when no fnow was upon it; and fometimes the first fnows that come, dissolve before the winter fets in; but generally the mountains begin to be covered with fnow and ice, either in the latter part of September, or the beginning of October, and it never, wholly leaves them till July. During this period of nine or ten months, they exhibit more or less of that bright appearance, from which they are denominated white,

In the fpring, when the fnow is partly disfolved, they appear of a pale blue, flreaked with white; and after it is wholly gene, at the distance of forty or fixty iniles they are altogether of a pale blue. inclining to the colour of the fky; while viewed at the distance of only ten mles, they are of the grey colour of the rock, inclining to brown. These changes are ob-ferved by people who live within constant view of them : and from these facts and observations it may justly be concluded, that the whiteness of them is to be ascribed wholly to the fnow and ice. and not to any other white sub-stance, for in reality there is none. There are indeed in the fuminer months some streaks which appear brighter than other parts, but thefe, when viewed through a telescope. I have plainly differend to be the enlightened edges or fides of the long deep gullies, and the dark parts the shaded fides of them; and in the course of a day, these spots may be seen to vary according to the polition of the fun.

It may not be amiss to query here, if so great a quantity of snow is accumulated and remains on these mountains, may it not be supposed to add a keenness to the winds which blow over them? And how many more mountains may there be toward the north and west, whose hoary summits contain the like or greater bodies of snow and ice, some of which, at the remogest through the year? May we not then ascribe the piercing cold of our north-west winds to the infinite ranges of stozen mountains, rather than to the lakes and so-

These immense heights which I have been describing, being copiously replenished with water, ex-

hibit a variety of beautiful caf-cades, fome of which fall in a perpendicular sheet or spout; others are winding and narrow; others spead on the level surface of some wide rock, and then gush in cataracts over its edge. A romantic imagination may find full gratification amidst these rugged scenes, if its ardour be not checked by the fatigue of the approach. Three of the largest rivers in New England receive a great part of their waters from this region. monoosuck and Israel rivers, two principal branches of Connecticut, fall from the western side of the mountains; Peabody river and another branch of Amarifcogin from the north-eastern side; and almost the whole of Saco descends from the southern side. The declivities being very fleep, cause this latter river to rise very suddenly in a time of rain, and as fuddenly to fubfide.

On the western part of these mountains is a pass which in the narrowest place measures but twenty two feet between two perpendicular rocks, Here a road is constructing with great labour and expense, which is the shortest route to the upper Cohoss or Connecticut river, and to that part of Canada which borders on the river St. Francis. At the height of this narrow pass, the river Saco takes its rise. A brook descends from the mountain, and meanders through a meadow which was formerly a beaver-pond, and is furrounded by sleep, and, on one side, perpendi-cular rocks—a strikingly pisturesque scene! the rivulet glides along the western side of the defile. (the eastern being formed into a road) and tributary flreams augment its waters, one of which is called the Flume, from the near refemblance it bears to the flume of a mill. The pass between the mountains widens as you descend; but for eight or ten miles they are fo near as only to leave room for the river and its intervals. In the course of this descent you see at immense heights, and in spots perfectly inaccessible, several rocks, some of a whitish and some of a reddish hue, whose faces are polished by the continual trickling of water over them. These, when incrusted with ice, being open to the south and west, are capable, in the night, of reslecting the moon and star-beams to the wondering traveler, buried in the dark valley below; and these are sufficient by the help of imagination, to give rise to the siction of carbuncles.

We found no stones of any higher quality than flint *; no lime-flone, though we tried the most likely with aqua fortis. It is faid there is a part of the mountain where the magnetic needle refuses to traverse; this may contain rock ore, but our guide could not find the place. It is also said that a mineral, supposed to be lead ore, has been discovered on the easttern fide. One of the springs which we met with in our afcent on that fide, afforded a thick frother foum and a faponaceous tafte, searches for subterranean treasures in these mountains, have as yet proved fruitless. The most certain riches which they yield, are the freshets which bring down the soil to the intervals below, and form a fine mould, producing corn, grain and herbage in the most luxuriant plenty.

September, 1784.

A new letture when

HERE, ladies and gentlemen, are a pair of eyes which belong to a brisk widow; their lan-

NOTE.

* Some specimens of rock-cryssal have been found lately by other perfons, but we did not hear of it ull after our return. guage is not common-they dance when there is hope; they fquint when it is despair. A young gen-tleman who sought her imiles, received his answer from these eyes, for they frowned upon him-however it was faid a judgment paffed upon them, for they foon loft their clearness, and were obliged to have the allitance of fpettacles; now they can frown upon no one, their light has been changed into darkness-and it is high time that they be closed for ever.

Here are two black eyes, which are the property of a very young lady-cruel eyes they have been-yet they always appear gentle; they are eloquent in love, but most eloquent in forrow. Whenever a fad affecting tale is told, I have seen them shed a tear of real sympathy; which, though it dimmed their luffre, added much to

their value.

Here are a maiden's coaxing eyes: these pretty tall-tales always give the tongue the lye; for whenever their fair miffress says, "Ah go away!" these little things always cry out "flay!" Pray admire them, ladies and gentlemen; they are very fmall, which makes them appear very ro-

guish. Oh Lord! here are an old maid's pair of grey eyes: they don't know whether to laugh or cry-always peeping where they should not. These are the eyes which fee and do not perceive-they are fo very prone to mistakes, and always discern a fault in another, though they can never discover one in themselves: it is very remarkable, that these large eyes never close; in bed they are always flaring-God knows for what —out of bed always prying here and there and every where; fometimes they wink, when poor Nancy puts a thing out of its place, and are always looking over the affairs of others-though they never overlook their faults.

These are blue eyes, which belong to an heirels; they were well enough formerly, and answered their purpose of feeing; but now they are altered quite. Vanity has been their ruin! they know not which way to turn-they look at every one with difdain, and frown upon all who stand before them.

These eyes they call the dieaway; as they are conflantly complanning the least touch in the world offends them; I never faw them gav in my life-but once, and that was because a looking-glass was in their

way.

Here is one eye, which, having by an accident hold it's partner, was under the necessity of keeping company with a glass one; but nature being offended with the imposition, feeing that her most delicate piece of work was imitated and abused, she very justly decreed that the mock eye should never be able to close.

Here are a pair of wicked eves, which do great execution; they are always fure in their mark, and generally aim at young sparks : they look for game in the day time, and take their rest at night; they speak with ogling, and their language may be thus translated :-

A glance, or fide look, the strong-est expression for love; it is literally, construing it—I prefer you be-

fore all the company.

A leer or fly look—in answer to the common question—Will you have me? A young lady would blufh, were she obliged to say yes or no in plain terms; but by the teers, she at once confesses, I will, without any offence to delicacy.

A languishing look implies a strong defire to attain whatever the

eye is fixed on.

These, ladies and gentlemen, are their most usual phrases; from thence we may discover the fignifications of others.

Here are two eyes-I don't know what to call them; they are so hazy and disagreeable, that I believe the Jew in the play was thinking upon them, when he made his objection to one colour :

"Her eyes may be faith any colour but green."

With your leave we shall pass over them.

The more we're delighted, the less they are seen.

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A new lecture on nofes.

Ladies and gentlemen,

NOSES are the most necessary instruments that human nature has fupplied us with. By the nofe we can discern the sweet and foul; by the nofe we can always finell a rat; and let me tell you, ladies and gentlemen, there are so many rats in this world, that it is a very formnate thing to have a nofe about us. Yet I remember, when I was taking a walk a few days ago, I should have been very happy had I left my nose at home till my return, for it told me 'a dull nauseous tale,' that a fewer was just opened, and confequently there was a great stench. But to proceed.

Here, ladies and gentlemen, is a needle nofe; look at it-how sharp it is at the end—on this account it takes its name from a needle. It is very odd, ladies and gentlemen, but the mistress of this nose is a damn'd feold. I was once acquainted with a needle-nosed family, and they did nothing (at least in my presence) but quarrel with one another-To tell you the truth, I did nothing (when in their presence) but laugh at their

filly altercations.

This is a very long nofe, indeed, and of great disadvantage to the owner. The master and mistress never go to drink but this unmannerly thing pops into the veffel before them, as much as to fay to mouth, 'follow your nofe.' There is a gentleman I know, whose nose answers this description, owing, I believe, to the many times it has been pull'd-and we never yet took a pot of porter together but his long nofe faw the bottom of

This is the fiery nofe which fir John Falstaff was fuch an enemy to- a fellow might light a torch with it, I never go near one of them, for fear I may be burned. It is worthy of confideration how all this fire gets into this nose; but the matter is foon resolved when we recollect that your fiery-nofed gentry are very fond of drams. Spirits are fire in them-felves, which fire always flies up into the head, and comes out at the nofe.

You may laugh at me, ladies and gentlemen; but here are a bundle of noses together. This is very rare, but it has been and is; and I have a curious flory to tell you in respect to the master of these noses. One day he met a long nofe, which was in his may, and the bundle of nofes was in the other's way. To be fure, they both flared at each other, for neither ever faw the like; but the mafter of the long nose clapping his hand upon it, and moving it to one fide, exclaimed, 'There, fir, you may pass on now; you are the greater man, and have the majority.

This, ladies and gentlemen, is an aquiline nofe, of no little repute among the Romans: they effected it a nose of sense and beauty, and very often called it the Roman nofe. Pray examine it, ladies, and let the gentlemen whom you defire for partners, be masters of these noses. Indeed, I can't say that I would recommend them to wives; there is fomething too mafculine in them, which belongs only to the other fex. What is a beauty with men is very often the contrary with women.

But here is a nose for ladies—a weet pretty nose indeed!—and she knows it, that has it. Behold, how legantly framed! exact in shape, and ocautiful in form! The young latty to whom this nose belongs, is affable, and of an easy temper; I never knew her to turn it up in all my life.

No, that is the custom of this cock'dup nose—a vile, disagreeable thing!

My friend Darby has described the perverseness and obstinacy of his Kathleen by singing, 'The littlegipley cock'd her nose.' It is certainly he greatest sign of pride and self-susciency that I know. I remark the tock'd up nose is very fond of noes.' Arrah, will you kiss me, my sweet Ally Croker?'—'No, no.—'Arrah, will you marry me, sweet Ally Croker?'—'No, no, no, no, no.' It is not to be wondered at, then, that all these cock'd up noses are generally old maids.

Upon my word, here is a nose—a broad nose—that you may drive a coach and fix horses through. These persons who have such prodigious handles, are reckoned very mitchievous and spiteful; for to swell the nostrits is a sure sign of malice. All you, ladies and gentlemen, who own these exerbitant noses, pray be careful, every morning and evening, to tub them down, and in a little time you may bring them into some rea-

fonable shape.

This is a pug nose—a mere nothing, I may say. You see that nature intended there should be a nose, and left wacancy for it, but perhaps had not leisure to complete it; indeed, there's a substantial reason given for these no-noses; the owners have been so very often insolent and abustive, that when they had them in their sull height of perfection, they got them broke; and, as my friend Paddy very sully expresses it, 'O' my conscience, gained a loss!'

. This is a nose which is esteemed by

many—but I think there's too much, and shall say very little about it—as for these other noses, we may esseen them only as signs, to tell the travellers, here are my heads—that is all, for I am sure there is nothing in them. I would observe, that some people never had a nose—but as this is a lessure upon noses, I must not give you room to say that there was a blunder in my title.

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A memoir on the distillation of persimons, by mr. Isaac Bartram.

THE American philosophical forciety having proposed at one of their meetings in November last, that a trial should be made for drawing a spirit from the fermented juice of the persimon, I was appointed to make the experiment.

The feason being then so far advanced, I apprehended it was too late; but being still urged by the society to make the essay. I purchased about half a bushel of the fruit in the month of December, which was so much damaged by the frost and rain, that I almost despaired of success; the proper time for gathering it being in the month of October.

I however proceeded in the follow-

Irg manner.

I caused the persimons to be well massed, and put them in a five gallon keg, to which I added two gallons of water, and about two penny worth of yeast, in order to promote a fermentation. This being completed, I committed the whole to the still, and drawed therefrom near half a gallon of proof spirit, of an agree-

From the fuccess of this experiment, I think it may be concluded, that the perfimon may be rendered very beneficial to those who have many of them growing on their plan-

able flavour.

tations, and that they are worthy of the public attention, at many advantages may be reaped from the cultivation of the trees: forme of which I shall hint at in the course of this paper.

To those who would undertake to collect large quantities of this fruit for diffillation, I would recommend

the following process.

Let a number of empty hogheads, in proportion to the quantity of fruit, be provided; take out one of the heads of each, and in the other let a hole be bored, at about four inches from the chimb, into which fix a plug, which may be occasionally taken out from the lower end, when the casks are fixed upon trussels, at a small distance from the ground. In these casks, over the holes, lay a number of small sticks, covered with straw, about two or three inches thick, to prevent the pulp from choaking them.

Your hogsheads being thus prepared, fill one of them half full with perfimons, which have been well mashed; add water until it within one third of the top; then cover the cask with the head that had been taken out, and let it fland about nine days; by this time the pulpy or feculent part of the fruit will be separated by the act of fermentation : you are then to draw off the liquor, by the hole in the bottom of the hogshead, and put it in a tight cask, closely bunged up, to prevent a second fermentation, whereby your liquor would become acid, and be rendered unfit for the still.

Having thus extracted the more vinous parts from the first hogshead, let as much water be added as before, which must be well slirred, and mixed with the pulp, thereby to procure the whole strength of the fruit.

A fecond hogshead is then to be charged half full of fruit, well mashed as the first, and instead of pure water, full it two thirds full with the second

extrast of the first hogshead, leaving it to ferment, as before directed. This fermentation being perfected, draw off the liquor, and let it be bunged up choic. The third hogshead is to be treated as the second, and in a like manner every succeeding cask. After you have in this manner converted all your fruit into a fermented liquor, let it be kept at least one month before it is distilled, if it can be preserved without danger of its becoming sour; for I have observed that vinous spirits, drawn from new fermented liquors are not equal in flavour to those which have been meliorated by age.

The perfimon tree is of a quick growth, and yields great quantities of fruit in a few years after it is planted. The wood is hard, has a fine close grain, and may be applied to many mechanical purpofes; it butns well, and its ashes contain a very large pro-

portion of falts.

These trees grow spontaneously near all our tide water rivers, and succeed in almost any kind of soil. They thrive best when planted in an open place. I would therefore recommend, that they should be fixed at about ten feet apart, round the fields, by which means they would be no incumbrance, but contribute to the support of the sences, as they would serve for live posts. The leaves foon rot, and become good manure, insomuch that it is remarkable that grass grows better under these trees, than any other.

Every farmer who has fifty acres of land, might plant three hundred trees round his fields; which being disposed as before directed, would be a great addition to the beauty of his

farm.

Let us suppose that each full grown tree will produce two bushels of fruit upon an average (some I have seen thrice that quantity.) From a farm then of sifty acres, six hundred bushels of fruit might be gathered; and as, from the foregoing experi-

nent, a bushel is found to yield a gallon of wholesome and very agreeible fpirit, every farmer having hat number of trees, might make ix hundred gallons of liquor, as

good as rum.

The expenses, attending the proefs, we will suppose to amount to one half of the value of the liquor when distilled, which, admitting it to e worth but two shillings per gallon, will leave a profit of thirty pounds per annum; a fum equal to the interest of a farm, that would cost five nundred pounds.

Were we to extend this calculation to what every fifty acres of cultivated land in this province only, would produce, we should find that we might foon become independent of the West Indies, for the expensive article of rum, and thereby yearly fave many thousand pounds to this

colony.

A valuable gum exudes from this tree; for the collecting of which, the fociety established in London for promoting arts and manufactures, offered a premium of twenty pounds sterling for the greatest quantity, not less than fifty pounds weight, that should be collected from the perfimon tree, in any of the British co-Ionies in America, and imported from thence into the port of London, between the first of April, 1762, and the first of April, 1763. And for the next greatest quantity, not less than twenty-five pounds weight, a premium of ten pounds sterling.

I have also been informed, that an excellent beer is made of persimons, in some of the southern pro-

vinces.

Hence it will appear, that the cultivation of the perfimon tree is an object worthy the attention of our farmers, as it promises great profit to themselves, and a still greater advantage to the community in general.

Philadelphia, 1771. Vol. III. No. II.

Observations on the raising and droffing of bemp; communicated to the American philosophical society, by Edward Antil, efq.

HEMP is one of the most pro-fitable productions the earth furnishes in northern climates; as it employs a great number of poor people in a very advantageous manner, if its manufacture be carried on properly: it may also furnish a ready remittance to Great Britain, and become a reciprocal advantage to both; and therefore it becomes worthy of the ferious attention of the different legislatures of the northern colonies, of every trading man, and of every man, who truly loves his country.

But as the people of America do not appear, from their prefent management, to be acquainted with the best and most profitable method of cultivating and managing this valuable plant, I beg leave to inform them of fome things that may be of advan-

tage to them.

Whoever would raife hemp properly, and to advantage, should fet aside two pieces of ground, of such dimensions each, as he shall be able to cultivate every year, and fow the one whilst he is manuring and preparing the other, for the fucceeding year's crop; the higher and drier the ground, the better, provided it be well dunged, and made frong and mellow; the ground should not be too floping, left the good foil be washed away with hard rains; if it droops toward the fouth, fo that it may have the full influence of the fun, it will be an advantage; low, rich, warm, dry grounds will also produce good hemp; but wet land, though never fo rich, will by no means do. The ground being prepared and made very mellow, I now come to that part which must be particularly and exactly attended to,

for the same

fince the fuccess of the crop greatly depends upon it. Some time in May, the ground being moift, and in a vegetating state, but by no means wet, it must be well ploughed, the furrows close and even—the foil lying light and mellow-it must be sowed very even with two bushels of feed upon one acre; a man with an irontooth-harrow follows the fower, and harrows in the feed, with two horfes without any balks; for the lefs the ground be trampled, the better; if harrowing one way be not fufficient to cover the feed though it would be best if that could be done, it must be cross harrowed. The ground being moist, as I faid before, but by no means wet, fo as to clod, which would ruin the crop, the feed will all flart and come up together, which is a fure fign of a good crop, and nothing after that, but too much wet, will hart it; for hemp thus come up, bids defiance to weeds and grafs of every kind; its growth is fo quick, and it so effectually shades the ground, that nothing below can rife or thew its head, and it so preserves all the moisture below, that the hotter and drier the weather, the faster it grows. Whereas, if the feed be fown when the ground is dry, the feed that lies deepelt, where the moifture is, will come up first, and these will shade and starve those that come after, by which means the first comers will be too large, and the last will be much too finall, fo that the crop will be greatly damaged every way-fo much depends upon this one circumstance, of sowing the seed when the ground is moist and fit to receive it. The crop, thus rightly managed, will stand as thick as very good wheat, and be from four to fix feet high, according to the strength of the ground; and the stems will not be thicker than a good wheat ftraw; by this means, the hemp will be the finer, it will yield the greater quantity,

and it may be plucked from the ground like fiax, which will be a very great faving: but if it be fowed thin, that is, one bushel to an acre, which is the common practice, it grows large, the hemp is larth and coarfe, and then it must be cut with hooks, which occasions great waste, for four or five inches just above ground is left, by way of stubble, which contains the best and heaviest part of the hemp.

When the hemp has got its growth, and is fit to be plucked, which you will know by the under leaves of the carle, or the hemp, turning yellow, and falling off, the fooner it is pulled, the better; it must then be bound up with ftraw bands, in fingle band fneaves, rather fmall than large, and each sheaf must be bound in two places; and the fooner it is carried to the water to rot, the better: waterrotted hemp, if it be rightly managed, is every way better than that which is rotted on the ground: there is less waste in it, when it comes to be dreffed; it looks brighter and fairer to the eye; it is esteemed to be stronger and more durable; and always fetches a better price; besides it is much fooner done, and is rotted more even and alike, and with greater certainty and exactness: many people in America are acquainted with the method of rotting hemp in water; but, as many more are not yet acquainted with it, I shall, for their information, fet down the method of doing it. Hemp may be rotted in stagnated or standing water, such as ponds, pools, or broad deep ditches, and in fuch water it is generally four or five days and nights a rotting, and fometimes longer, according to the heat or coolness of the weather; it may also be rotted in running water, as in a brook or river; and in fuch water, three or four days and nights are fufficient, according to the weather; to know whether the hemp be rotted

enough in either case, take a middling handful, out of the middle row, and try with both your hands to fnap it afunder; if it breaks eafy it is rotten enough; but if it yet appears pretty strong, it is not, and must lie longer, till it breaks with ease; and then it must be taken out, and dried as foon as possible; in handling the sheaves, take hold of the bands, and fet them up an end against a fence, if one be near; or lay them down upon the grafs, for the water to drain off, and then unbind them carefully, open and spread them to dry thoroughly; then bind them up again, and house them in a dry tight place't the reason of handling the hemp in this careful manner, is, that when it is well rotted, whilst it is wet, the lint comes off with the least touch; therefore, if it be handled roughly, or if, while it is wet, it be thrown into a cart and carried to a distance to be unbound and dried, it would be greatly hurt, and the owner would receive great damage by it; but when it is dry, it is handled with fafety.

If the hemp be rotted in a brook or running water, the sheaves must be laid across the stream, for if they be laid down lengthways with the stream, the current of the water will wash away the lint, and ruin the hemp: it must be laid down, heads and points, two, four, or fix thick, according to the depth of the water, and the quantity of hemp; if the bottom of the river be fand, gravel, or mud, three good strong stakes must be driven down at each end, above and below, and three long strong poles must be laid on the hemp, and fattened well to the stakes, in fuch manner as to force down the hemp under water, where it remains till it be rotted enough: though, if a muddy stream could be avoided, it would be best, because it is apt to foul and stain the hemp. If the

bottom of the stream be rocky or stony, so that stakes cannot be drove down to secure the hemp under water, and from floating away, then a rough wall must be made at the lower end of the hemp, and along the side, to keep it in, and strong poles or rails must be laid upon the top of the hemp, and pretty heavy stones upon them, so as to sink the hemp under water, where it must lie till it be rotted enough.

What hemp is intended for feed, should be fowed on a piece of ground by itself, which must be made very lich and flrong; it must be fowed in ridges, fix feet wide, and the feed must be of the largest and beit fort, and fown very thin, at the rate of a peck upon an acre, or rather fix quarts: for the thinner it is fown, the more it branches, and the more feed it bears; it should be fown fome time the middle of April, and then the feed will not be ripe, till fome time after the other hemp is done with. If you have no convenient place to fow your feed he mp by itself, then fow a border of fix feet wide along the north and west fides of your hemp field; the reason of fowing your feed hemp in fuch narrow ridges or horders, is, that, when the carle, or he hemp, is ripe, and has shed its faring on the simble. or female hemp, by which the feed is impregnated, and the leaves of the carle hemp fall off, and the stem grows yellow, you may eafily flep in along the fides, and pull up the carle hemp, without hurting the female, which now begins to branch out, and looks of a deep green colour and very flourishing : and when the feeds begin to ripen, which is known by their falling out of their fockets, you may, all along both fides, bend down the plants, and flake out the feed upon a cloth laid on the ground. for as they ripen, they featter, upon being shaken by a hard wind, or

otherwise; then it must be watched, and the fowls and yellow birds kept from it, for they are immoderately fond of the feed; as the first ripe feeds are the fullest and best, they are worthy of fome pains to fave them; and the best way to do that, is, to bend down the plants all along, on each fide of the border or ridge, as is faid above, and shake them over a cloth spread on the ground to receive the feed; if one fide of the plant be rooted out of the ground by forcing it down to shake out the feed, there will be no damage, for the feed that remains, will ripen notwithstanding; and the plant must thus be shaken every two or three days, till all the feed be ripe and thus faved; and this is much better than pulling up the plants by the roots, and shaking them on a barn floor, and then fetting them up against a fence or the fide of a barn, for the feed to ripen, and shaking them morning and evening on the barn floor; for by this method, which is the common practice, one third of the feed, at least, never comes to maturity.

It is well known to every farmer, that in the three bread colonies at least, the spring and summer seasons are of late years become very dry, fo that a crop of flax is become very precarious, scarcely one year in seven producing a good one: this is a constant complaint in the mouth of now hemp husbandman: does not require half the rain that flax does; this is a circumstance that is well worth the notice and attention of every farmer; and therefore by his raising hemp in the manner before directed, and by preparing it in the best manner, for spinning and weaving into good cloth, he can with greater certainty fupply all the necessary uses of his family; and by felling the overplus, he can parchase such things as his wife and

daughters may think convenient, on extraordinary occasions. This, however, need not hinder them from raifing some flax every year. But I think it is more for his interest to fix his chief dependence upon his crop of hemp, as that is more fure, and every way more profitable, the general run of feafons confidered. let him not be disgusted and think that I am about to perfuade him, his wife, and daughters, to wear oznabrigs, for I can affure him, that I have seen dowlas made of hemp, worth five and fix shillings the yard, which no farmer need be ashamed It. to wear.

I shall now endeavour to instruct the honest husbandman in a few easy rules for preparing his hemp, which he has raised and managed in the

manner before directed.

Know, then, that the best preparation of hemp, for the manufacturing of cloth, is to render it as soft and as fine as possible, without lessening its strength, and the easiest and cheapest way of doing that, is certainly the best. This is to be found out by a variety of trials and experiments: but till a better way be discovered, which I hope will not be long first, and with which I should be greatly pleased—take the following method, which is the best I have yet been able to discover.

If you have a large wide kettle, that will take in your hemp at full length, it will be the better; but if your kettle be finall, then you must double your hemp, but without twisting, only the small ends of every hand must be twisted a little, to keep them whole and from tangling; then first of all lay some smooth sticks down in the bottom of the kettle, so as to lie across one another, three or four layers, according to the bigness and deepness of your kettle; this is to keep the hemp from touching the liquor, then pour

fome lye of middling strength, half as strong as what you make soap of, gently into the kettle, fo much as not to rife up to the top of the flicks, they being kept down to the bottom; then lay in the hemp, each layer croffing the other, fo that the fleam may rife up through the whole body of the hemp; which done, cover your kettle as close as you can, and hang it over a very gentle fire, and keep it fimmering or flewing, but not boiling, fo as to raise a good steam for fix or eight hours; then take it off, and let it stand covered, till it be cool enough to handle; then take out the hemp, and wring it very carefully as dry as you well can, and hang it up out of the way of the wind, either in your garret or in your barn, shutting the doors, and there let it remain, turning it now and then till it be perfectly dry; then pack it up in some close dry place, till you want to use it; but you will do well to vifit it now and then, least any part of it might be damp and rot. You must know, that wind and air weaken and rot hemp, flax, and thread, very much. Then at your leifure, twist up some of the hands, as many as you intend for present use, as hard as you can, and with a fmart, round, fmooth hand-beetle, on a smooth stone, beat and pound each hand by itself, all over very well, turning it round from fide to fide, till every part be very well bruised; you then untwist it, and hatchel it, first through a coarse, and then through a fine hatchel: and remember, that hatcheling must be performed in the fame manner, as a man would comb a fine head of hair, he begins at the ends below, and as those untangle, he rises higher, till at last he reaches up to the crown of the head. The first tow makes good ropes for the use of the piantation: the fecond tow will make very good oznabrigs, or coarse sheeting; and the henp itself will make excellent linen. The same method of sleaming softens slax very much.

Philadelphia, 1771.

Description of the grotto at Swatara.— In a letter from the rev. Peter Milter, of Ephrata, to William Bayton, esq.

As the course of my letter now tends this way, I must remind you, if ever you should publish a natural history of Pennsylvania, not to consign to oblivion that very curious petritying cavern, of which, lest you should not have seen it already, I

shall give some description.

It is situate on the east side of Swatara, close to the river. Its entrance is very spacious, and there is somewhat of a descent towards the other extremity; infomuch that I suppose the surface of the river is rather higher than the bottom of the The upper part is like an arched roof, of folid lime-stone rock, perhaps twenty feet thick. On entering, are found many apartments, fonce of them very high, like the choir of a church. There is, as it were, a continual rain within the cave, for the water drops incessantly from the roof upon the floor; by which, and the water petrifying as it falls, pillars are gradually formed to support the roof. I faw this cave about thirty years ago, and observed about ten fuch pillars, each fix inches in diameter and fix feet high; all so ranged, that the place inclosed by them resembled a sanctuary in a Roman church: and I can affure you. that no royal throne ever exhibited more grandeur, than the delightful prospect of this lusus natura. Satisfied with the view of this, we discovered the resemblances of several monuments, incorporated into the

walls, as if the bodies of departed heroes were there deposited Our guide then conducted us to a place, where, he faid, hung the bell: this is a piece of from iffuing out of the roof, which, when struck, founds like a bell.

Some of the stalactites are of a colour like fugar-candy, and others refemble loaf-fugar; but it is a pity that their beauty is now almost destroyed by the country people. The water, as it falls, runs down the declivity; and it is both wholefome and pleafant to drink, when it has difcharged its petrifying matter. is remarkable that we found feveral holes at the bottom of the cave, going down perpendicularly, perhaps into the abyss, which renders it dangerous to be without a light. At the end of the cave, there is a pretty run, which takes its course through part of it, and then loses itself among the rocks; here is also its exit, by an aperture which is very narrow. Through this the vapours continually pass outwards, with a strong current of air; and, at night, these vapours afcending, refemble a great furnace. Part of these vapours and fogs appear, on afcending, to be condensed at the head of this great alembic, and the more volatile parts to be carried off, through the aperture communicating with the exterior air before mentioned, by the force of the air in its passage.

I beg pardon for having troubled you with fuch a long detail. It appears frange to me that none of our philosophers have bitherto published a true account of this remark-

able grotto.

On contentment.

Mr. EDITOR,

IF all the philosophers in the world, and all the moral writers from

Socrates to Knox-if all were to affemble together in one place, and fix upon one certain rule of happinefs, I do firmly believe, contentment would be their choice. And vet contentment is not easily acquired: fo far from it, that most men shun it as their greatest enemy. Fate, as it is called, is very little to blame; for when a man has, to all appearance, as much wealth as he can need, an agreeable family, respectable connexions, good trade, &c. yet he is not happy; and perhaps no men fo much complain of their circumstances as those very men whose circumstances are, in all human apprehension, the very best.

Tom Murmur began with three hundred a year; he was advised to go to the country, take a farm (to which employment he had been in part bred) marry a farmer's daughter with a little money, a great deal of love, and a good constitution, and be very happy. Tom did so, and his farm succeeded: his barns were filled with plenty; there were cows and calves, and fwine and pigs, and hens, ducks, geese, and turkies, about the farm; and a chopping boy, at the year's end, became heir apparent to the animal and vegetable productions of this farm. But all would not do-A fat citizen, who in forty years time had amaffed half a plum, retired from business, and took a house near Tom's farin. Tom and he became acquainted. Tom found that mr. Traffic had not a fingle idea in his head, and that, with all his wealth, he was a mighty shallow fellow, one of those, whom, as Falstaff fays, you may carve out of a turnip. Tom confidered, that if this blockhead, who knew fearcely his mother tongue, could, in farty years, amass half a plum, he himfelf, with his education, could in twenty years cafily acquire the fourth

part of a plum, and then it would be

time enough to think of burying

ones felf in the country.

Full of this idea, Tom one night went to bed, and had fuch pleasing dreams of wealth, that he determined to quit his present situation, sell his farm, and carry his money to the city, the only place where money creates money. To fell his farm was eafy; but to fell it to advantage was impossible; for Tom, in the honesty of his heart, told every body that he must sell it! Having, however, achieved this feat, he fet out for the city, wife, child, and all, and got into trade. The first year his profits were considerable, but he could save nothing; he was as far from the plum as ever; if he gained a hundred pounds this year, more than the last, he had just as many more occasions for it as he had the last year, for his family was upon the increase-Yet Tom had no right to complain. He succeeded in business far beyond what he had a right to expect—Yet he was not fatisfied— No fooner had he fifty or a hundred pounds ready for the bank, than some urgency of business demanded it; although he made ten, fifteen, ind twenty per cent. in trade, yet ne would have been far more happy to have money in the bank, and rezeive only three, four, or five, per ent.-For thinks he, " while I am hus fpending every penny upon rade, what becomes of the £.25,000 which I was to retire with? At this ate I shall never be able to retire it all. I am now a flave to a counter, he flave of every proud madam, niss, or fir, that chooses to come to ny shop."

Trade, however, still stourished with him. He was pronounced by Il his neghbours to be a very lucky nan, who, in so few years, had raised is capital from hundreds to thousands; and he found it necessary to nlarge his shop, build a counting-

house, warehouses, &c. &c. and had the reputation, and that juftly, of being a man in a very capital line of business. His probity was unquestionable.—His wife and family were amiable and beloved by every body. He faw company, and treated them with liberality; but with all this, while every body fet down Tom as a very happy man, he was, in reality, the miserablest dog alive, and all owing to the refolution he had fet out with, which was to gain 25,000l. in twenty years, and then retire from business-As for contentment, it had been so long a stranger to him, that it was not natural to suppose it would ever return .- Tom lived respected, and was rich, but missed his favourite object-he lived unhappy-and died with discontent. And when the cause of his unhappiness was known, fome pitied, but the greater part laughed at him; one old gentleman only gave an advice on this occasion, with which I shall conclude this letter. "No man ought to take a hobby horse, who does not know how to ride."

> I am, fir, Your's, OBSERVATOR.

Instructions for fine ladies.

LET a young lady, who is looking for a husband, be very careful not to promise or deny any suitor—it is vassly delightful to keep a company of admirers, fawning, stattering, swearing, kneeling, and so forth—a blush is requisite now and then to prevent any false infinuations of those envious maidens who may call you a coquette; and dear fir may be said once or twice in the day, to remove the disgussing title of a prude.

See no one in the mornings—fix hours after you rife are little enough

in all conscience to pay proper refpect to the looking-glass. To adjust every little article of dress, to do undo—and re-do this and that, requires time and attendance.

If ever you fee a prettier and more fashionable cap upon a friend than your own, be remarkably efficious, and abuse its maker, find a thousand faults with it, and beg of the young lady to avear it no more, as it makes an absolute fright—meaning of your own.

When invited to a card party you must declare yourself a very bad player; for which reason you may take fine liberties—should they be very cross to you during the evening, affect a laugh now and then; and when you catch a nashy word forcing its way through your lips at the fight of a wrong card, you must swallow it in an instant with a hem.

If kind nature has beflowed its enchanting gift of a voice, and that you can fing prettily, you may affume fome airs—let the company prefs till they are almost weary, and whenever it is affirmed by any perfon that you can fing, you may infift upon it that you cannot—this is a great proof of good manners.

If nature has denied you that harmonious gift, never give the company the trouble of asking twice.

Have you a fifter? If she be younger than you, let her not dare to contradict or thwart your pleafure. Assume all the airs and consequence of one who knows the world better: let her not supplant you in your wishes: but enjoy all the rights of your birth.

Is the an elder fifter? then you must put your charms in array: give funshine to your eye, finiles to your free; and whenever you hear an ardent lover panning at your fifter's feet, breathing his love, and calling her the fairest, befure you give him

the lie with your eyes; and feize the carliest opportunity of wishing him a better wife.

Are your teeth white? flew them upon all and no occasions: laugh at every speech, whether a joke or not; and swear pon honour, you can't help it.

Are your teeth black? then never, never laugh. If some rude unexpected story should provoke you, screw up your mouth as much as possible; practice the niminiprimini of ______, and apply to your handkerchief: if all should fail, it will appear good breeding.

Are you to fee your lover? never take notice of him. Speak to every gentleman but him. Bring Pompey with you; be stroking the poor pretty thing. Should your swain advance, you may defire him not to teize you; for "it is wastly cruel to

give pain."

To go to church every Sunday, morning and evening, is very necessary: to old ladies and gentlemen it conveys good ideas; they will naturally suppose you are praying for your fins, and those of your neighbours, when at the same time you may cast a coaxing eye to the finest beau you can see; who, if he possesses any gallantry, will take the hint.

There are proper times to fmile and figh: when convinced that your lover is secure, the smile of triumpl. is feafonable; but if you are in danger of losing him, whether through his own caprice, or the superiority of a rival's charms, the languishing figh may bring him back again. Some are very prone to the fmile of envy, or the forced grin, upon these occasions; but this I by no means approve of; it more difgusts the lover, and delights the rival. Certainly a coaxing eye, accompanied with figh of love and tenderness, wil have greater influence:-if the in

constant's heart is not adamant, he will most assuredly be induced to return to his former passion; but if it still remains obdurate, then introduce the smiles of indifference and contempt, and say, "fince he is salse, I am much better without him."

Be fure to abuse the dress of every friend, by declaring such a one's cap to be a fright; such a one's gown ill made; such a one's handkerchief in a wrong place; you will appear to posses great friendship, though, perhaps, there is another cause for these fayings.

It is necessary that you get by heart a sew lines of poetry, out of Pope or Dryden, to introduce upon any subject—no matter how foreign from the meaning—it will convince the company that you have read

these fine bards.

As patches are the most becoming things in the world, you must study the places where they are likely to attract notice, some hours, at your toilet: if one side of your face should possess any natural beauty, more than the other, I would advise you to put a patch extraordinary upon that side, in order to shew two things at once: should any ill natured pimple appear, you must undoubtedly cover it, no matter where it is —that patch is doubly necessary, and must be there.

Instructions for fine gentlemen.

HENEVER you go to the coffee-house, monopolize all the newspapers; and whatever paper is wanted most, be fure to keep that the longest.

Whenever you fail in converfation to amuse the company, begin to laugh most immoderately; thereby you will command the attention

of all the spectators.

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If any gentleman tells a remarkably good flory, never laugh, but immediately answer it with another, and then laugh as much as you please.

Wherever you go, be determined to find fault with every thing; thereby you prove yourfelf a man of con-

fequence.

Let your speeches be always preceded by fome pretty oaths. Similes are very requifite to heighten converfation; no matter how unlike the fubject they may be: but should you be aftray for one, to enforce your arguments, think of your master, and you can never want. Certainly the black gentleman is the most convenient; and as he is the nearest to our mouths—logice—he must be nearest to our themes: no matter what, he resembles every thing. She's handsome as the devil-ugly as the devil-hard as the devil-foft as the devil-bot as the devil-cold as the devil-devilish good-humoured-devililb cross.

Do you wish to be in love? visit your mistress when you have drank freely of your bottle. Spirits give fpirits; and a man can never talk of his heart, unless something puts it into his head: then practife a dying speech; thump your breast; flourish your handkerchief; and present a pislol. If she is not moved with this, I shall give you

leave to shoot yourself.

Whenever you are in company with ladies, endeavour to shew your sense and learning. Select as many bard words as possible, and quote passages out of Horace and Homer. Praise the former as a fine Grecian, and the latter for excelling in Latin. If you meet with a lady who knows more than yourself, be always of her opinion, and exclaim, "Gad's curse, you have taken them words out of my mouth."

To carry a fnuff-box is highly ef-

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fential; but then you must learn to take a pinch with an air; at the same time, cock up the little singer, to shew you have a ring. When the conversation begins to be very warm, and the arguments very powerful, a pinch of snuff is an excellent excuse for not speaking; because, if they insist upon your reasons, you can very easily set up a mock sneeze; and by the time that is sinished—"Damn it, you forgot what

you were going to fay. It shews a great genius to tell a good lie, now and then, with a very ferious face; which, if you please, you may confirm as truth, by pawning your bonour; for then, though ever so much doubted, it must be swallowed: indeed, it requires very great fagacity to bounce-and greater, to bounce out, and unfay what you have faid, whenever a discovery is made: the best method of doing this, is, by prefacing the story with they fay; for then, they, whoever they are, are the liars, and not you; but if it is a lie, which must be told upon very good authority, mention a gentleman's name who never was in being, and ask, if they know him? and, as they do not, declare he is a man of the strictest truth, the most unexceptionable character, and that it was from bim you heard fo and fo; which, therefore you are convinced is truth: should, however, your story be contradicted, and absolutely declared to be false, then you may say, that your friend, mr. _____, (the name of the non-existing gentleman) had it from mr., (a well known name) who, you are very forry to find, is a damned liar.

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Character of an old maid.

A^N old maid is one of the most cranky, ill-natured, maggot-

ty, peevish, conceited, disagreeable, hypocritical, fretful, noify, gibing, canting, cenforious, out-of-the-way, never-to-be-pleased-good-for-nothing creatures-God help her poor nieces!-Heaven deliver all the unhappy young ladies, who are under her care!-how lectured!-how tormented!—how watched!—As she never knew what is the happiness-the pleasure of matrimony-she endeavours to prevent fuch, as are willing to learn—the preaches against all men and things-fhe pretends to be very religious, and vifits the churches, in order to mark what fignswhat tokens of love may be going on. During the fermon, the affumes all the decorum of a prudent, attentive lady—but should there be marriages or christenings to follow, she trots away, unwilling to be witness of what she knows nothing about-she affects to be very charitable-but alas!- she has not time to hear the petitions of any poor unfortunate wretch, being always in a violent hurry to prepare dinner, for-her dogs and cats, monkies and parrots. She never reads plays, magazines, or novels, except when she is alone—then she indulges herself with Congreve, Behn, or Centlivre; but if she hears an unexpected foot, the throws them aside, and feizes a bible, prayer-book, or whatever godly book she has at hand for the occasion. Indeed her library is very curious—she puts her fermons over her journals-her hymns over her fongs: fo that one would imagine it was the whole duty duty of man to cover Emma, Cecilia, and other pretty, die-away creatures. Of all things upon earth, the fays, ihe hates a man, because every man hates her-she cannot abide the fashions, and is eternally abusing her niece's drefs. In short, an old maid enters the world, to take up room, not to make room for others

-if she lives to that age, which renders her unmarriageable-her life is, in the opinion of all her young acquaintances-too long-being of a tough, inflexible nature, that nothing can break her heart: indeed, an old maid's heart is, of all hearts, the most detestable-it contains neither fympathy, feeling, or any one thing appertaining to the tender paffrons-it is fo full of felf, that it can make no room for another; an old maid, therefore, can bear no other company, except such as herselfor, now and then, an old bachelor-" for old bachelors," cry the old maids, " can do no harm—they are inoffensive creatures, and know the world." Then, in the name of God, let them go together.

Character of a pedantic school-master.

HE may be truly called an arbitrary monarch, for he has dominions, and numerous subjects, who tremble at his frowns.

The former confist of extensive tracts of land, encompassed by strong walls, and called, in his language, school boundaries.

His palace is a large hall, formed into a variety of divisions, and de-

nominated the school room.

Here he keeps his court: the ferula is his staff of authority; the rod, the instrument of justice; and he is himself both judge and executioner.

Like other monarchs, he tyrannizes, and passes sentence at pleafure; his will is a law, and unmerited punishments are inflicted, because he will have it so.

He is never wrong in his opinion; and whatever he fays, must pass for an infallibility, and bear an equal sway with Aristotle's ipse dixit.

He foars no higher than the fyn-

tax, or a scrap of Latin, got by heart out of Ovid or Virgil; and in making long harangues in praise of those hopeful youths he perfected for the unversity, he always lugs them in, without regarding the application, that his pupils may marvel at his learning. He frequently mutters them in his sleep, and makes love to his chambermaid, according to the strict rules of Ovid.

He always presides over his subjects, in propria persona, and he observes rigour even at meal times; for he tires their patience with a long grace, till the dinner is cold; and chides them, while eating, for not

talking Latin to each other.

He is as happy, at the thoughts of holidays and vacations, as the youngest child; because he then is at liberty to make love. He affects to gallant his mistress; but she is foon disgusted with his ridiculous pedantry; however, he is not eafily answered; " for a repulse" he says, " only adds fuel to the flame, the has kindled in his breaft;" therefore with redoubled ardour, he becomes an arrant Don Quixote, attacking her in all the extravagance of romance, till the poor lady, thinking his brain turned, repels with equal violence his approaches, telling him that he is fitter for bedlam than a school room.

If he has any of the fair fex under his tuition, they are fure to be his favourites, and the greatest proficients; his boys then become a parcel of blockheads, and he tells pretty miss, she has more sense than twenty of them. He introduces love into her lessons, and flourishes amorous expressions in her copy book; but advancing to further liberties, he is detected and punished by the father or brother, as ignominiously as any of his pupils ever felt birch from himself.

Like the czar, be is despised out

of his own dominions, and regarded as an old map of some barren island.

Considence, in a man, proved to belong alone to a fool, and in a woman, to a fille de joie.

ONFIDENCE is the antipode to modesty.

In men, it is generally occasioned by a want of knowledge of the

In women, by flattery—their God

adcred.

Confidence is legible in the coun-It stamps a supposed value upon the wearer, and gives lustre and dignity to the aspect.

It has its apparent advantages; but these ever prove inevitable ruin.

A man of confidence presses upon every appearance of advantage, and thinks nothing above his merit.

The greatness of the attempt—the rank of his rivals-or the frequency of miscarriage-will not discourage him.

He rallies on a defeat, and grows desperate by an absolute denial. When his force is weak, he prevails by impudence, and when strong, by plaufibility; thus either storming or perfuading his object out of both reason and inclination.

He is profuse in promises; but is never complimented on a performance; but these are times, when mortals are more thankful for the former, than really gratified by the latter.

Mankind are more fmitten by ap-

pearances than realities.

A good house, handsome equipage, and fine clothes, like a common travelling name, prevent enquiries.

Impertinences are mistaken for wit; and impossibilities, from such

heroes, appear credible.

But, courteous reader, let me not impress you with an idea, that such conduct is current coin; when the confident man happens to mingle with those of true sense, his infignificance falls upon himself, and the flightest rebuke overthrows his chimeras.

His face, long unaccustomed to blush, conveys the ghastly countenance of a bedlamite, and he descends into his real character—that of a

" fool."

Thus is a confident man proved the jest of wife men, and the idol of

the ignorant. Let us now pourtray a confident woman: for the vice is fo entirely misplaced in the fair fex, that it admits of no argument.

C'onfidence is, in them, the mother

of impudence.

These generating, impudence begets immodesty; and their offspring, I trust, is only to be found among that unfortunate class of the fex, 'ycleped " filles de joie."

On the importance of a good character, considered only with respect to intereft.

A S the minds of men are infinitely various, and as they are therefore influenced in the choice of a mode of conduct by different inducements, the moralist must omit no motive, however subordinate in its nature, while it appears likely to lead fome among mankind to a laudable, or even a blameless behaviour. A regard to ease, to interest, and to succels, in the pursuits of wealth and ambition, may induce many to purfue an honest and honourable conduct, who would not have been influenced by. purer motives: but, after they have once perceived the intrinsic excellence and beauty of fuch a conduct,

they will probably perfevere in it for its own fake, and upon higher con-

fiderations.

To those who are to make their own way either to wealth or honours, a good character is usually no less necessary than address and abilities. Though human nature is degenerate, and corrupts itself still more by its own inventions; yet it usually retains an esteem for excellence. But even if we are arrived at fish an extreme degree of depravity as to have lost our native reverence for virtue; yet a regard to our own interest and fafety, which we feldom lofe, will lead us to apply, in all important transactions, to men whose integrity is unimpeachable. When we chuse an affidant, a partner, a fervant, our first enquiry is concerning his character. When we have occasion for a counseiler or attorney, a physician or apothecary, whatever we may be ourselves, we always choose to truit our property and perfons to men of character. When we fix on the tradefinen who are to supply us with necessaries, we are not determined by the fign of the lamb, or the wolf, or the fox; nor by a thop fitted up in the most elegant taffe, but by the fairest reputation. Look into a newfpaper, and you will fee how important the characters of the employed appear to the employers, from the highest to the lowest rank. After the advertisement has eunumerated the qualities required in the person wanted, there constantly follows, that none need apply who cannot bring an undeniable character. Offer yourfelf as a candidate for any office whatever, be promoted to honour and emolument, or in any respect attract the attention of mankind upon yourfelf, and if you are vulnerable in your character, you will be deeply wounded. This is a general tettimony in favour of honesty, which no writings and no practices can refute.

Young men, therefore, whose characters are yet unfixed, and who, consequently, may render them just fuch as they wish, ought to pay great attention to the first steps which they take on entrance into life. They are usually careless and inattentive to this object. They purfue their own plans with ardour, and neglect the opinions which others entertain of them. By fome thoughtless action or expression, they suffer a mark to be impressed upon them, which fearcely any subsequent merit can entirely erafe. Every man will find some persons, who, if they are not enemies, view him with an envious or a jealous eye; and who will gladly revive any tale to which truth has given the flightest foundation.

Indeed all men are so much inclined to flatter their own pride, by detracting from the reputation of others, that supposing we were able to maintain an immaculate conduct. it would flill be difficult to preferve an immaculate character. But vet it is wisdom not to surnish this detracting spirit with real subjects for the exercise of its activity. While calumny is supported only by imagination, or by malice, we may fometimes remove, by contradicting it; but whenever folly or vice have fupplied facts, we can feldom do more than aggravate the evil, by giving it an apparent attention. The malignity of some among the various dispositions of which mankind are composed, is often highly gratified at the view of injured fenfibility.

In this turbulent and confused feene, where our words and actions are often misunderstood, and oftener misrepresented, it is indeed difficult even for innocence and integrity to avoid reproach, abuse, contempt and hatred. These not only hurt our interest and impede our advancement in life, but forely afflict the feelings of a tender and delicate mind. It is then the part of wisdom first to do evezy thing in our power to preferve an irreproachable character, and then to let our happiness depend chiefly on the approbation of our own confciences, and on the advancement of our interest in a world where liars shall not be believed, and where slanderers shall receive countenance from none but him who, in Greek, is called, by way of eminence, diabolus, or the calumniator.

On the folly of being anxiously curious to enquire what is said of us in our absence.

THE best dispositions have usually the most sensibility. They have also that delicate regard for their reputation which renders them forely afflicted by the secret attacks of calumny and detraction. It is not an unreasonable and excessive felf-love, but a regard to that, without which a feeling mind cannot be happy, which renders many of us attentive to every word, that is whispered of us in our absence.

From whatever motive it arises, an anxious curiofity to know the reports concerning ourselves, is an infallible cause of misery. No virtue, no prudence, no caution, no generomy, can preserve us from misrepre-Our conduct must be ientation. misunderstood by weak intellects, and by those who see only a part of it, and hastily form a judgment of the whole. Every man of eminence has those who hate, who envy, and . zeect to despise him. These will fee his actions with a jaundiced eye, and will represent them to others in the colours in which themselves behold them. Many, from careleffnefs, wantonnefs, or from a defire to entertain their company, are inclined to fport with respectable characters, and love to display their ingenuity by the invention of a scandalous tale. Nothing renders a man more agreeable in many companies than his possessing a fund of religious anecdotes.

It is certain, then, that from weakness, wantenness, or malevolence, a man, whose merit renders him a topic of conversation, will be mifrepresented. He who folicitously enquires what is faid of him, will certainly hear fomething which will render him uneafy. His uneafiness will be increased, when he finds the poisoned arrow is shot in the dark; fo that no abilities can repel the blow, and no innocence shield from the affailant. Open attacks can be openly opposed; but the obscure infinuation proceeds without the possibility of refistance, like the worm, which penetrates the ship that has withstood the cannon. It is better, therefore, not to be too anxious to difcover attacks, which, when, discovered, add to our rorment, but cannot be successfully resisted.

Indeed, we are apt to feel upon thefe occasions more acutely than we ought. We are told by a menial fervant, or any other of our spies, that a person, whom we esteemed our friend, has spoken slightingly of us, made a joke upon us, or cast a severe reflexion. Immediately on hearing the information, our blood boils within us. The indignity, we imagine, calls for our warmest resentment. Our friend is discarded, or fuspected, as a treacherous wretch, unworthy of our love and confidence. This hafty ebullition of refentment is, I am ready to allow, very natural, and fo are many other diforders of the passions. But, if we were to fludy the case, and acquire

a right idea of the ways of men in fociety, we should find, that, in such instances, our resentments may not only be too violent, but causeless; for we should recollect that the human mind, without abfolutely relinquishing its principles, is often inclined, from the incidental influence of temper, of levity, of frolic, of intemperance, of precipitation, to speak inconsistently with them, and in a manner which the general tenor of our conduct univermly contradicts. We should also recollect, that, besides this temporary variableness of the mind, the tongue is unruly, and, when the spirits, or the passions are high, utters almost spontaneously what the mind, which ought to hold the bridle, would willingly keep in. If we reflect upon these things, and upon what has fallen under our experience, we may perhaps discover, that even real and worthy friends may speak unkindly of us, without any defign to hurt us, or to violate the bonds of friendship. It is the infirmity of human nature which causes unintentional lapses in the duties of friendship, as well as in all other duties. By too eagerly listening to casual censure, whispered in a careless manner, we increase the evil, and cause a rupture where none was intended.

A man, who is constantly solicitous to hear the reports which are raised of him, of his family, and of his conduct, depends, in a great measure, for happiness, upon his lervants; upon those, whose ideas are narrow, and whose hearts too often ungrateful; who overhear a part of a conversation, and supply the eft, when they repeat it, by invenion; who love to entertain the visiors and acquaintance with the prirate affairs of the house in which hey live, and who are apt to blacken he characters of their supporters and rotectors, in revenge for a reprimand, or from the natural malignity of a bad heart. The tongue, faid Iuvenal, is the worst part of a bad fervant. But the master of a family, who is always endeavouring to collect what is uttered by his humble friends, as fervants have been called, will find himfelf subject to perpetual mortification. And it is a circumflance which renders his folicitude peculiarly unwife, that after all the idle stories which their garrulity or resentment may lead them to propagate, they may be as good fervants as any others he might engage in their room, or as human nature, ia its uncultivated state, is found in general to afford. When their foolish words are uttered, they vanish into air; and the servants return to their duties, and probably will ferve their masters as usefully and as faithfully, as if nothing had been faid in their angry or unthinking moments :-- fo little meaning and weight is there in the words of the weak and the passionate, and so inconsistent is it with wisdom to listen to that tale, which, while it finks into the mind of him who hears that he is the subject of it. passes over the minds of others, as the shadow over the earth; or, supposing it to be noticed, remembered. and even capable of doing him an injury, he can only make it more mischievous by paying attention to it, and by giving it an importance not its own.

It will conduce, in a peculiar manner, to the peace of all persons who superintend large families, or large numbers of assistants, or of subordinate classes—such as the governors of schools and colleges, the generals of armies, the employers of manufacturers, and many others in situations somewhat similar—if they can habituate themselves to disregard those calumnies, which will certainly be purred upon them, though they should not merit ill treatment.

Their hearts will indeed often be wrung with grief, if they are fensible of every ill-natured whisper which makes its way, like the worm in the earth, and may at last corrode the worthieft bosom, if the breakplate of reason be not previously applied. Whoever has many individua's under his direction, is exposed to the malice of them all; and, as difpositions and tempers are often diametrically opposite, he can scarcely fail to offend as many as he can please: for the very conduct which pleafes one fet, will give offence to the Friends, as well as enemies, other. are liable to ill-humour and caprice; and every malignant remark is as naturally levelled at the fuperintendant as the musquet at the target. man, who has many persons under him, must not only not go in search of the darts which are thrown at him, but, even when he cannot avoid feeing them, must let them waste their force unregarded. If he does not adopt this conduct, his life will be a perpetual torment, and may possibly terminate in that which is frequently the death of good men, a broken heart.

Perhaps we might be less inclined to enquire what is faid of us in our absence, and less affected with it when discovered, if we considered how freely we ourselves are apt to fueak even of those we love. censure and we ridicule others, in the guiety and thoughtleffness of conversation: and what we have said, makes to little impression upon ourfelves, that we forget it; and, in the next hour, probably speak with honour of the fame persons, and then, and on all occasions, would be ready to ferve them. Beware of the man, fays Horace, who defends not his absent friend, when he is blamed by others, and who blames him himfelf. But fuch is our nature, that, in a fit of levity, a man will fpeak

of another, and hear him spoken of in fuch terms, as, in his ferious moments, he would refent. any man ask himself, whether he has not often faid fuch things of others, without meaning to injure them, or ever thinking feriously of what he was faying, as, if he were to hear that they were faid of himfelf, in any manner whatever, he would warmly retaliate? Let him then endeavour to fee things in the same light, when he finds he has been carelessly censured, in which he faw them when he carelessly cenfured others. Indeed, it must be allowed, that a man of fenfibility and honour cannot take too much pains to vindicate his character from any open and direct calumny; but the fame spirit, which leads him to that manly conduct, will induce him to leave the dirty dealers in fcandal to themselves, and to their mean occupations.

Though a delicate regard for character is virtuous and rational, yet it is really true, that we all estimate our own value among others much higher than it is estimated by them. What is faid of us feldom finks fo deeply in their minds, as, from a vain idea of our own importance, we are apt to imagine. We are occasionally talked of, it may be, in the course of common conversation, and serve for topics, together with the weather, the wind, and the news; but he who thinks that he is the constant object of his neighbours' accurate and close inspection, is ignorant of human nature. Man's chief object of attention is himself; and though, to fill an idle hour, he may talk of others, it is carelessly and indifferently; and, whether he speaks in praise or dispraise, he often means neither to ferve nor injure. From supposing ourselves of more consequence with others than we are, we suspect, that they are conversing about us, when

they really think not of us: and, when they are known by us to have fooken unkindly or contemptuously, we immediately confider them as declared enemies. Our fuspicions are awakened when led to entertain bad opinions of mankind, and our goodhumour is foured for ever. "But "good-humour," fays an elegant writer, " is a falt which gives a fea-" foning to the feast of life; and "which, if it be wanting, ren-"ders the feast incomplete. Ma-"ny causes contribute to impair " this amiable quality; but nothing, " perhaps, more than bad opinions of mankind." To avoid bad opinions of mankind, much of their ill deeds, and ill fayings, must be attributed to thoughtleffness, and not to malignity only; we must not always be on the watch to hear what is faid against us in an unguarded hour; we must be humble, and confider, whether we do not treat others just as we complain of being treated by them; and, while we complain of mankind, whether ourselves, and the dispositions which we entertain, do not furnish some of the most just causes of the complaint. Upon the whole, let it be our first object to do our duty, and not to be very anxious about any censure, but that of conscience.

Let the weak and the ill-natured enjoy the poor pleasure of whispering calumny and detraction: and let the man of sense and spirit display the wisdom and dignity of disregarding them. The dog bays the moon, but the moon still shines on in all its beautiful serenity and lustre, and moves in its orbit with undisturbed regularity.

The fcriptures, among all their other recommendations, abound with passages which finely pourtray the human heart. I will cite one passage, which is very apposite to the subject of this paper: "Take no

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"heed to all words that are spoken, "lest thou hear thy servant curse

"thee. For oftentimes, also, thine own heart knoweth, that thou thyself likewise hast cursed o-

" thers."

On the pleasures of reflexion.

HAT the enjoyments of the understanding exceed the pleafures of sense, is a truth, confessed by all who are capable of exerting the faculties of thinking in their sull vigour. But by these pleasures are generally understood sublime contemplations on subjects of science and abstructed disquisition—contemplations which can only be the result of uncommon powers, and extraordinary efforts.

But there are intellectual pleasures of another kind; to the enjoyment of which neither great abilities nor learning are required. These are no other than the pleasures of reflexion, which are open to the illiterate mechanic, as well as the sage philosopher, and constitute some of the sweetest satisfactions of human life.

There are few who have not felt pleasing sensations arising from a retrospective view of the first period of their lives. To recollect the puerile amusements, the petty anxieties, and the eager pursuits of childhood, is a task in which all delight. It is common to observe, that on no subject do men dwell with fuch pleafure, as on the boyish tricks and wanton pranks which they practifed at school. The hoary head looks back with a fmile of complacency, mixed with regret, on the feafon when health glowed on the cheek-when lively spirits warmed the heart—and when toil ftrung the nerves with vigour.

Cicero has remarked, that events

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the most disagreeable, during their immediate influence, give an exquifite fatisfaction when their confequences have ceased: and Æneas folaces his companions, under hardships they endured, with the confideration that the remembrance of their fufferings would, one day, give them fatisfaction. That thefe fentiments are just, is well known to those who have enjoyed the converfation of the foldier. Battles, skirmishes, and sieges, at which perhaps he trembled during the action, furnish him with topics of conversation, and fources of pleasure, for the remainder of his life.

Reflexion is the properest employment, and the fweetest fatisfaction, in a rational old age. Destitute of the strength and vigour necessary for bodily exertions, and furnished with observations by experience, the old man finds his greatest pleasure to confift in wandering in imagination over past scenes of delight-in recounting the adventures of his youth, the viciflitudes of human life, and the public events to which he is proud of having been an eyewitness. Of so exalted a nature are these enjoyments that the theologists have not hesitated to affert, that to recollect a well-spent life, is to anticipate the bliss of a future ex-

The professor of philosophy, who will be acknowledged to have underflood the nature of true and substantial pleasure better than the busy, the gay, and the dissipated, have ever thewn a predilection for privacy and solitude. No other cause have they assigned for their conduct in forsaking society, than that the noise and hurry of the world are incompatible with the exertion of calm reason, and dispassionate reflexion. The apophthegm of that ancient who said, "he was never less alone, than "when by himself," is not to be

confidered merely as an epigrammatic turn. In vain was it to purfue philofophy in the Suburra: fhe was only to be courted, with fuccess, in the fequestered shade of rural retirement.

Were the powers of reflexion cultivated by habit, mankind would at all times be able to derive a pleafure from their own breafts, as rational as it is exalted. To the attainment of this happiness, a strict adherence to the rules of virtue is necessary: for let it be remembered, that none can feel the pleasures of reflexion, who do not enjoy the peace of innocence.

Ethelgar, a Saxon poem

By the ill-fated Chatterton.

IS not for thee O man! to murmur at the will of the Almighty. When the thunders roar, the lightnings shine on the rising waves, and the black clouds fit on the brow of the lofty hill-who then protects the flying deer, fwift as the fable cloud, toft by the whiftling winds, leaping over the rolling floods, to gain the hoary wood: whilft the lightnings shine on his chest, and the wind rides over his horns? When the wolf roars -terrible as the voice of the Severn -moving majesticas the nodding forests on the brow of Michel-stowwho then commands the sheep to follow the fwain, as the beams of light attend upon the morning?-Know, O man! that God fuffers not the least member of his work to perish, without answering the purpose of The evils of life, creation. with fome, are bleffings: and the plant of death healeth the wound of the fword. Doth the fea of trouble and affliction overwhelm thy foul? look unto the Lord; thou shalt stand firm in the days of temptation, as

the lofty hill of Kinwulf: in vain thall the waves beat against thee:

thy rock shall stand.

Comely as the white rocksbright as the star of the eveningtall as the oak upon the brow of the mountain-foft as the showers of dew, that fall upon the flowers of the field, Ethelgar arose, the glory of *Exanceaftre; noble were his ancestors, as the palace of the great Kenric. His foul with the lark, every morning afcended the skies and sported in the clouds. When, stealing down the steep mountain wrapt in a shower of spangling dew, evening came creeping to the plain, cloting the flowers of the day, haking her pearly showers upon the rustling trees-then was his voice heard in the grove as the voice of the nightingale upon the hawthorn spray. He sang the works of the Lord; the hollow rocks joined in his devotions: the stars danced to his fong; and the rolling years, in various mantles dreft, confest him man. He saw Egwina of the vale. His foul was aftonished, as the Britons who fled before the fword of Kenric. She was tall as the towering elm-stately as a black cloud burfting into thunder-fair as the wrought bowels of the earth-gentle and sweet as the morning breeze-beauteous as the fun-blushing like the vines of the west-her foul as fair as the azure curtain of heaven. She faw Ethelgar: her foft foul melted as the flying fnow before the fun. shrine of St. Cuthbert united them. The minutes fled on the golden wings of blifs. Nine horned moons had decked the sky, when Ælgar saw the light. He was like a young plant upon the mountain's fide, or the fun hidden in a cloud. He felt the strength

NOTE.

of his fire; and fwift as the lightnings of heaven, purfued the wild boar of the wood. The morn awoke the fun; who, stepping from the mountain's brow, shook his ruddy locks upon the shining dew: Ælgar arose from sleep: he seized his fword and spear, and issued to the chace. As waters swiftly falling down a craggy rock, so raged young Ælgar through the wood; the wild boar bit his spear, and the fox died at his seet. From the thicket a wolf arose, his eyes flam-ing like two stars. He roared like the voice of the tempest: hunger made him furious : and he flew like a falling meteor to the war. Like a thunderbolt tearing the black rock, Æigar darted his spear through his heart. The wolf raged like the voice of many waters, and feizing Ælgar by the throat, he fought the regions of the bleffed. The wolf died upon his body. Ethelgar and Egwina wept. They wept like the rains of the fpring. Sorrow fat upon them as the black clouds upon the mountains of death: but the power of God settled their hearts.

The golden fun arose to the highest of his power; the apple perfumed the gale; and the juicy grape de-lighted the eye. Ethelgar and Egwina bent their way to the mountain's fide, like two stars that move through the sky. The flowers grew beneath their fect; the trees spead out their leaves; the fun played upon the rolling brook; the winds gently paffed along; dark, pitchy clouds veiled the face of the fun: the windroared like the noise of a battle; the fwift hail descended to the ground; the lightnings broke from the fable clouds, and gilded the dark-brown corners of the fky; the thunder shook the lofty mountains: the tall towers nodded to their foundations; the bending oaks divided the whistling wind; the broken

^{*} Exeter.

flowers fled in confusion round the mountain's fide. Ethelgar and Egwina fought the facred shade: the bleak winds roared over their heads, and the waters ran over their feet. Swift from the dark cloud the lightning came; the skies blushed at the fight. Egwina stood on the brow of the lofty hill. like an oak in the fpring; the lightnings danced about her garments, and the blafting flame blackened her face: the shades of death swam before her eyes: and she fell breathless down the black steep rock: the fea received her body; and the rolled down with the roaring water.

Ethelgar stood terrible as mountain of Meindip: the waves of despair harrowed up his soul, as the roaring Severn ploughs the fable fand. Wild as the evening wolf, his eyes shone like the red vapours in the valley of the dead. Horror fat upon his brow; like a bright star shooting through the sky, he plunged from the lofty brow of the hill, like a tall oak breaking from the roaring wind. Saint Cuthbert appeared in the air; the black clouds fled from the sky; the sun gilded the fpangling meadows: the lofty pine flood still; the violets of the vale gently moved to the foft voice of the wind; the fun shone on the bubbling brook The faint, arrayed in glory, caught the falling mortal; as the foft dew of the morning hangs upon the lofty elm, he bore him to the fandy beach, whilft the fea roared beneath his feet. Ethelgar opened his eyes, like the grey orbs of the morning, folding up the black man-tles of the night—" Know, O man!" faid the member of the bleffed, " to fubmit to the will of God; he is terrible as the face of the earth, when the waters funk to their habitations; gentle as the facred covering of the oak; fecret as the bottom of the great deep; just as the rays of the morning. Learn that thou art a man, nor repine at the stroke of the Almighty, for God is as just as he is great." The holy vision disappeared as the atoms sly before the sun. Ethelgar arose, and bent his way to the college of Kenewalcin; there he flourishes as a hoary oak in the wood of Arden.

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Letter from the kon. Robert Yates and the hon. John Lansing, esquires, to his excellency George Clinton, esq. governor of the state of New York, containing their reasons for not subscribing to the sederal constitution.

SIR,

WE do ourselves the honour to advise your excellency, that in pursuance of concurrent resolutions of the honourable senate and assembly, we have, together with mr. Hamilton, attended the convention, appointed for revising the articles of confederation, and reporting amendments to the same.

It is with the fincerest concern we observe, that, in the profecution of the important objects of our mission, we have been reduced to the difagreeable alternative, of either exceeding the powers delegated to us, and giving our affent to meafures which we conceive destructive to the political happiness of the citizens of the united states-or opposing our opinion to that body of respectable men, to whom those citizens had given the most unequivocal proofs of Thus circumstanced, confidence. under these impressions, to have hesitated, would have been to be culpable: we, therefore, gave the principles of the constitution. which has received the fanction of a majority of the convention, our decided and unreserved diffent: but we must candidly confess, that we should have

been equally opposed to any fystem, however modified, which had in object the consolidation of the united states into one government.

We beg leave, briefly, to state fome cogent reasons, which, among others, influenced us to decide against a consolidation of the states. These

are reducible to two heads.

Ift. The limited and well-defined powers under which we acted, and which could not, on any possible construction, embrace an idea of such magnitude, as to affent to a general constitution, in subversion of that of the state.

2d. A conviction of the impracticability of establishing a general government, pervading every part of the united states and extending

effential benefits to all.

Our powers were explicit, and confined to the fole and express purpose of revising the articles of confederation, and reporting such alterations and provisions therein, as should render the federal constitution adequate to the exigencies of government, and the preservation of the union.

From these expressions, we were led to believe, that a fystem of consolidated government could not, in the remotest degree, have been in contemplation of the legislature of this state: for so important a trust, as the adopting measures which tended to deprive the state government of its most essential rights of fovereignty, and to place it in a dependent fituation, could not have been confided by implication: and the circumstance, that the acts of the convention were to receive a state approbation, in the last refort, forcibly corroborated the opinion, that our powers could not involve the subversion of a constitution, which, being immediately derived from the people, could only be a-polished by their express consent, and not by a legislature, possessing authority vested in them for its prefervation. Nor could we suppose, that, if it had been the intention of the legislature, to abrogate the existing confederation, they would, in such pointed terms, have directed the attention of their delegates to the revision and amendment of it, in total exclusion of every other idea.

Reasoning in this manner, we were of opinion, that the leading feature of every amendment, ought to be the preservation of the individual states, in their uncontrouled constitutional rights; and that in referving these, a mode might have been devised, of granting to the confederacy, the monies arising from a general system of revenue—the power of regulating commerce, and enforcing the observance of foreign treaties, and other necessary matters

of less moment.

Exclusive of our objections, originating from the want of power, we entertained an opinion, that a general government, however guarded by declarations of rights or cautionary provisions, must unavoidably, in a short time, be productive of the destruction of the civil liberty of such citizens as could be effectually coerced by it: by reason of the extenfive territory of the united flates, the dispersed situation of their inhabitants, and the insuperable difficulty of controuling or counteracting the views of a fet of men (however unconstitutional and oppressive their acts might be) possessed of all the powers of government: and who, from their remoteness from their constituents, and necessary permanency of office, could not be supposed to be uniformly actuated by an attention to their welfare and happiness; that however wife and energetic the principles of the general government might be. the extremities of the united states could not be kept in due fubmission

and obedience to its laws, at the distance of many hundred miles from the feat of government; that if the general legislature were composed of so numerous a body of men, as to represent the interests of all the inhabitants of the united states, in the usual and true ideas of representation, the expense of supporting it would become intolerably burdensome; and that, if a few only were vested with a power of legislation, the interests of a great majority of the inhabitants of the united states must neceffarily be unknown; or, if known, even in the first stages of the operations of the new gonervment, unattended to.

These reasons were, in our opinion, conclusive against any fystem of confolidated government: to that recommended by the convention, we suppose most of them very forcibly

apply.

It is not our intention to pursue this fubject farther, than merely to explain our conduct in the discharge of the trust which the honourable the legislature reposed in us. Interested, however, as we are, in common with our fellow citizens, in the refult, we cannot forbear to declare, that we have the strongest apprehenfions, that a government fo organized, as that recommended by the convention, cannot afford the fecurity to equal and permanent liberty, which we wished to make an invariable object of our pursuit.

We were not present at the completion of the new constitution: but before we left the convention, its principles were fo well established, as to convince us, that no alteration was to be expected, to conform it to our ideas of expediency and fafety. A persuasion, that our further attendance would be fruitless and unavailing, rendered us less solicitous to

We have thus explained our mo-

tives for opposing the adoption of the national constitution, which we conceived it our duty to communicate to your excellency, to be fubmitted to the confideration of the honourable legislature.

We have the honour to be, with the greatest respect, your excellency's most obedient, and very humble fervants. ROBERT YATES, JOHN LANSING, jun. His excellency governor Clinton.

Address to the minority of the convention of Pennsylvania.

NUMBERI

HE great question, which at of the united states, calls for the fairest and most dispassionate discusfion. Mistakes, in taking up the fubject, must lead to erroneous conclusions: and men of pure intentions, both among yourfelves, and the people at large, should misconceptions have arisen, may continue averse to the system, after it has received the fiat of all the conventions. Wellintended attempts to throw light upon the interesting subject, cannot, therefore, be unpleasing to you .-Without further introduction, then, I will proceed to a point of considerable importance, in itself and in its consequences, on which I conceive your opinions have been erroneously formed, and on which I earneftly hope we shall finally concur.

The consolidation of the united states into one government, by the aperation of the proposed constitution, (in contradiftinction from a confederacy) appears to you to be the consequence of the system, and the intention of its framers: this is the point of difference which I mean to treat of: and for the present I shall confine my observations to it alone.

Were the parts of the federal government which you have particularized, as much of the nature of confolidation as you feem to suppose, that would certainly be its real nature and defign, and the flate fovereignties would indeed be finally annihilated. The appearances, which have misled you, I shall remark on in the course of these papers: and I shall endeayour to exhibit clear and permanent marks and lines of separate sovereignty, which must ever distinguish and circumscribe each of the several lates, and prevent their annihilation by the federal government, or any

of its operations.

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When the people of America difolved their connexion with rown of Britain, they found themelves separated from all the world, out a few powerless colonies, the rincipal of which they expected to nduce into their measures. rown having been merely a centre f union, the act of independence difolved the political ties which had forherly existed among the states: and : was attended with no absolute conderacy. But many circumstances onspired to render some new form f connexion defirable and necessary. Ve wished not to continue distinct odies of people, but to form a rebectable nation. The remains ur ancient governments kept us in ne form of thirteen political bodies: id, from a variety of just and pruent considerations, we determined enter into an indisfoluble and perstual union. Though a confederaof fovereign states was the mode connexion which was wifely deed, and actually adopted, yet in G. at feeble and inadequate bond of 100 tion, to which we affented, articles, nfeongly partaking of the nature of COR! is. nsolidation, are observable. We see, r example, that the free inhabitants 此 each state were rendered, to all intents and purposes, free citizens of all the rest. Persons fleeing from justice in one state, were to be delivered up by any other, in which they might take refuge, (contrary to the laws prevailing among diffinct fovereignties,) whereby the jurifdiction of one state prevaded the territories of all the rest, to the effectual length of trial, condemnation, and punishment. The right, to judge of the fums to be expended for the use of the nation, lies, even under the old confederation, folely with congress: and, after the demand, is fixed by them, and formally made, the states are bound, as far as they can be bound by any compact, to pay their respective quotas into the federal treasury, by which the power of the purse is given to them: nor can the states constitutionally refuse to comply. It is very certain, that there is not, in the present sederal government, vigour enough to carry this actually-delegated power into execution: yet, if congress had possessed energy sufficient to have done it, there is no doubt but they would have been justifiable in the measure. The season of invafion, however, would have been very unfavourable for internal con-

We shall find, that the right, to raise armies and build navies, is also vested in congress by the present confederation: and they are to be the fole judges of the occasion, and of the force required. The state, therefore, that refuses to fulfil the requisitions of congress on either of these articles, acts unconstitutionally. It appears, then, that it was thought necessary ar the time of forming the old federal constitution, that congress should liave what are termed "the powers of the purse and the fword." That conflitution contained a delegation of them, because the framers of it saw that those powers were necessary to the perpetuity and efficiency of the union,

to obtain the defirable ends of it. It is certainly very true, that the means provided to enable congress to apply those powers, which the constitution vested in them, were so liable to opposition, interruption, and delay, that the clauses containing them became a mere dead letter. This, however, was not expected or defired by any of the states at the time: and their fubfequent defaults are infringements of the letter and spirit of the confederation. On these circumstances I intreat your most dispassionate and candid confideration. I beg leave to remark, however, that as in the prefent constitution they are only appearances of confolidation, done away by other facts and circumstances; so also are the facts and observations in your address merely appearances of a consolidation, which I hope to demonstrate does not exist. The matter will be better understood by proceeding to those points which shew, that, as under the old, fo under the new federal constitution, the thirteen united states were not intended to be. and really are not, confolidated in fuch manner as to absorb or destroy the fovereignties of the several states. In order to aperfect understanding of each other, it may be proper to observe here, that by your term confolidation, I understand you mean the final annihilation of separate state government or fovereignty, by the nature and operations of the proposed constitution.

Among the proofs you adduce of fuch confolidation being the intention of the late convention, is the exprefion, "We the people." Though this is a mere form of words, it will be well to fee what exprefions are to be found in the conflitution in opposition to this, and indicative of the intentions of the convention, before we confider those things, which, as I conceive, secure the states from a possibility of losing their respective sovereignties.

First, then, tho' the convention propose that it should be the act of the people, yet it is to be done in their capacities as citizens of the feveral members of our confederacywho are declared to be the people of "the united states"-to which idea the expression is strictly confined, and the general term of America, which is constantly used in speaking of us as a nation, is carefully omitted. pointed view was evidently had to our existing union. But we must see at once, that the great reason of "the people" being mentioned, was, that alterations of feveral constitutions were to be effected, which the convention well knew could be done by no authority but that of "the people," either determining themfelves in their feveral states, or delegating adequate powers to their state conventions. Had the federal convention meant to exclude the idea of "union," that is, of feveral and feparate sovereignties joining in a confederacy, they would have faid, we the people of America: for union necesfarily involves the idea of competent flates, which complete confolidation excludes. But the feveralty of the states is frequently recognized in the most distinct manner, in the course of the constitution. The representatives are to be inhabitants of the state they represent: each state is to have a representative: the militia officers are to be appointed by the several states: and many other instances will be found in reading the constitution. These, however, are all mere expresfions: and I should not have introduced them, but to overbalance the words you have mentioned by a fuperior weight of the same kind. Let us, then, proceed to evidences against confolidation, of more force than the mere form of words.

It will be found on a careful examination, that many things, which are indiffensibly necessary to the ex iftence and good order of fociety, cannot be performed by the federal government, but will require the agency and powers of the state legislatures or sovereignties, with their various appurtenances and appendages.

1st. Congress, under all the powers of the proposed constitution, can neither train the militia, nor appoint

the officers thereof.

2dly. They cannot fix the qualifications of electors of reprefentatives, or of the electors of the electors of the prefident or vice-prefident.

adly. In case of vacancy in the senate, or the house of representatives, they cannot issue a writ for a new election, nor take any of the measures

necessary to obtain one.

4thly. They cannot appoint a judge, conflitute a court, or in any other way interfere in determining offences against the criminal law of the states; nor can they, in any way, interfere in the determinations of civil causes between citizens of the same state, which will be innumerable and highly important.

5thly. They cannot elect a prefident, vice-prefident, a fenator, or a federal representative, without all of which their own government must remain suspended, and universal anar-

chy mult enfue.

othly. They cannot determine the place of choosing senators, because that would be derogatory to the sovereignty of the state legislatures, who are to elect them.

7 thly. They cannot enact laws for the infpection of the produce of the country, a matter of the utmost importance to the commerce of the feveral states, and the honour of the whole.

8thly. They cannot appoint or commission any state officer, legislative, executive, or judicial.

othly. They cannot interfere with the opening of rivers and canals; the making or regulation of roads, ex-

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cept post roads; building bridges; erecting ferries; the establishment of ftate feminaries of learning; libraries; literary, religious, trading, or manufacturing focieties; erecting or regulating the police of cities, towns or boroughs; creating new state offices; building light houses, public wharves, county jails, markets, or other public buildings; making fale of state lands, and other state property; receiving or appropriating the incomes of state buildings and property; executing the state laws; altering the criminal law; nor can they do any other matter or thing apportaining to the internal affairs of any state, whether legislative, executive, or judicial, civil or ecclefiaftical.

rothly. They cannot interfere with, alter, or amend the conflictation of any state, which, it is admitted, now is, and, from time to time, will be more or less necessary in most

of theni.

The proper investigation of this subject will require more of your time than I can take the liberty of engaging at present. I shall therefore leave what I have now written to your honest and cool reslexion.

A FREEMAN.

(Number II. in our next.)

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Form of the ratification of the federal constitution by the state of Massachufetts.

Commonwealth of Massachusetts. In convention of the delegates of the people of the commonwealth of Masfachusetts, February 6, 1788.

THE convention having impartially discussed, and fully confidered, the constitution of the united states of America, reported to congress by the convention of delegates from the united states of America, and submitted to us, by a resorted.

lution of the general court of the faid commonwealth, passed the 25th day of October last past-and acknowledging with grateful hearts the goodness of the supreme Ruler of the universe, in affording the people of the united states, in the course of his providence, an opportunity, deliberately and peaceably, without fraud or furprise, of entering into an explicit and folemn compact with each other, by affenting to and ratifying a new constitution, in order to form a more perfect union, establish justice, infure domestic tranquility, provide for the common defence, promote the general welfare, and fecure the bleffings of liberty to themfelves and their posterity—do, in the name and in behalf of the people of the commonwealth of Massachusetts, asfent to and ratify the faid constitution of the united states of Ame-

And as it is the opinion of this convention, that certain amendments and alterations in the faid conflitution, would remove the fears, and quiet the apprehensions of many of the good people of this commonwealth, and more effectually guard against an undue administration of the federal government, the convention do therefore recommend, that the following alterations and provisions be introduced into the faid constitution:

rs. That it be explicitly declared, that all powers, not expressly delegated by the aforesaid constitution, are referred to the several states, to

be by them exercised.

2d. That there shall be one reprefentative to every thirty thousand persons, according to the census mentioned in the constitution, until the whole number of the representatives amount to 200.

3d. That congress do not exercise the powers vested in them by the 4th sect. of 1st art, but in cases, when a

ftate neglects or refuses to make the regulations therein mentioned, or shall make regulations subversive of the rights of the people, to a free and equal representation in congress, agreeably to the constitution.

4th. That congress do not lay direct taxes, but when the monies arifing from the impost and excise are infufficient for the public exigencie; nor then, until congress shall have first made a requisition upon the flates, to assess, levy, and pay their respective proportions of such requifition, agreeably to the census fixed in the faid constitution, in such manner as the legislatures of the states shall think best-and in such case, if any state shall neglect or refuse to pay its proportion, purfuant to fuch requisition, then congress may assess and levy fuch state's proportion, together with interest thereon, at the rate of fix per cent. per annum, from the time of payment, prescribed in fuch requificion.

5th. That congress erect no company of merchants, with exclusive

advantages of commerce.

6th. That no person shall be tried for any crime, by which he may incur an infamous punishment, or loss of life, until he be first indicted by a grand jury, except in such cases as may arise in the government and regulation of the land and naval forces.

7th. The supreme judicial sederal court shall have no jurisdiction of causes, between citizens of different states, unless the matter in dispute, whether it concerns the reality or personality, be of the value of three thousand dollars, at the least; nor shall the sederal judicial powers extend to any actions between citizens of different states, where the matter in dispute, whether it concerns, the reality or personality, is not of the value of sisteen hundred dollars, at the least.

8th. In civil actions between citizens of different states, every iffue of fact, arising in actions at common law, shall be tried by a jury, the parties, or either of them, request it.

oth. Congress shall, at no time, confent, that any person, holding an office of troot or profit, under the mited states, shall accept of a title of nobility, or any other title or of-ce, from any king, prince, or so-

cign ttate.

And the convention do, in the name nd in behalf of the people of this ommonwealth, enjoin it upon their prefentatives in congrefs, at all times, ntil the alterations and provisions forefaid, have been confidered, arreadly to the fifth article of the id constitution, to exert all their inuence, and use all reasonable and leal methods, to obtain a ratification the faid alterations and provisions is such manner as is provided in the id article.

And that the united states in conrefs assembled may have due notice the assent and ratification of the id constitution by this convention

Refolved, That the affent and raication aforefaid, be engroffed on rehment, together with the recomendation and injunction aforefaid, d with this refolution; and that s excellency John Hancock, efq. efident, and the hon. William shing, efq. vice-prefident of this nvention, transmit the fame, counfigned by the fecretary of the conntion, under their hands and feals,

the united states in congress

embled.

-It is

JOHN HANCOCK, president. WM. CUSHING, V. P.

(Counterfigned) orge Richards Minot, fecretary. Account of the procession in Beston, in folemmization of the ratification of federal constitution.

Boston, February 9, 1788.

THE committee of tradefmen met on Thursday; and, by public advertisements, requested the attendance of the mechanics and artizens of every description in town, at Faneuil-hall at nine o'clock, yefterday, in order to form, and proceed in grand procession therefrom, to tellify their approbation of the ratification of the federal constitution, by the convention of this commonwealth, the 6th inft. and deputed their chairman to request their brethren, the husbandmen of the adjacent towns, to join them; who, though the notice was very fhort, accordingly appeared in town at o o'clock, when the feveral trades being met, at 11 o'clock, the whole, in grand procession, moved from the hall, and the following was the order of the procession.

Sixteen foresters, with axes, and brush scythes.

Music.

A PLOUGH,

drawn by two horses, and two yokes of oxen, with a person holding it; and others clearing away the obstructions.

(The fons of freedom vencrate the plough.)

Three fowers, with baskets, strewing grain, and smoaking their pipes.

A brush-harrow, drawn by a horse.

A large roller, drawn by a horse and pair of oxen.

Four reapers, with fickles, &c. Four mowers, with fcythes, followed by 18 haymakers, with rakes, &c.

Eight husbandmen, with hoes, fpades, and other farming utenfils.

A cart, drawn by a yoke of oxen, with flax-dreffers at work, and in their working dresses.

A voke of fat cattle, with killers, properly equipped.

A cart loaded with beef, followed by eight master butchers, in clean frocks.

[The above were from Roxbury.] BLACKSMITHS,

preceded by mr. Baker, to the number of 73, carrying implements of their craft-decorated with ribands, &c. SHIPWRIGHTS,

preceded by deacon Sharp, to the number of 43, with tools decorated, &c.

ROPE-MAKERS,

preceded by mr. William M' Neill, to the number of 75-their waists encircled with hemp-with a cable fled, drawn by workmen, decorated with colours, and attended with Martial Music.

MAST-MAKERS. preceded by mr. S. Harris, to the number of 59, with tools decorated, &c.

SAIL-MAKERS, preceded by deacon Barrett, to the number of 30, with their

tools. SHIP-JOINERS,

preceded by mr. T. Uran, to the number of 34, with their tools decorated.

BLOCK-MAKERS, preceded by mr. J. Balfh, to the number of 30, with tools, &c. MATHEMATICAL INSTRU-

MENT-MAKERS. to the number of 6, with instru-

ments, &c. COOPERS,

preceded by mr. Avers, to the number of 23, with tools decorated, &c.

BOAT-BUILDERS, preceded by mr. T. Hitchborn, to the number of 20, with tools, &c. PAINTERS.

to the number of 20, with pallets, &c. decorated. CARVERS.

preceded by mr. Skillings. with tools, &c. decorated, to the number of 12.

RIGGERS. to the number of 18, with tools, &c. GLAZIERS & PLUMBERS, preceded by capt. Norton Brailsford to the number of 16, with dia-

monds, &c. BAKERS.

headed by mr. J. White, to the number of 40, with their tools &c.

TANNERS & CURRIERS. preceded by mr. S. Bass,

to the number of 28, with tools, &c SHOEMAKERS

preceded by mr. S. Bangs, to the number of 50, with lasts, &c decorated. TAYLORS,

to the number of 56, with their tools, meafures, &c. HATTERS,

preceded by major Seward, to the number of 26, with their bows, furs, &c.

TALLOW CHANDLERS, . to the number of 8, with a minia ture prefs, moulds, &c. Mr. Vofe, on horseback.

The ship FEDERAL CONSTITUTION, on runners, drawn by 13 horses. John Foster Williams, efquire, com

mander;

Lients. Weeks & Adams Mir. La Noine, mas.

Mr. E. Si gourney, r purfer; manned by 13 feamen,

With full colours flying-fellowe by captains of vessels, 85 seamen, dreffed in ribands, and about 150 of the principal merchants in town.

SHIP BUILDERS.

to the number of 20, with a workyard, drawn by 13 horses, in which were 7 or 8 veffels, on the

stocks, with men at work. CARPENTERS,

preceded by mr. Crafts, to the number of 136, with tools of every fort, decorated.

MASONS, preceded by major Bell, to the number of 70, with trowels, &c. as at work.

CABINET & COACH-MAKERS, WHEEL-WRIGHTS, &c.

to the number of 30, with the infignia of their crafts. PRINTERS,

preceded by mr. B. Edes, to the number of 15, with a frame, &c. drawn on a fled, and com-

positors at work. SADDLERS,

to the number of 12, with tools decorated, &c. GOLDSMITHS.

to the number of 14, with hammers, &c.

LEATHER-DRESSERS, preceded by major W. Dawes, on

horseback, (dressed in skins) to the number of 20, with ikins, and working tools. CARD-MAKERS,

to the number of 12, with wire, &c. The

COMMITTEE of TRADESMEN. in a fleigh, drawn by four horses. The

REPUBLICAN VOLUNTEERS, commanded by captain Gray, closed the procession.

In this order, the whole proceeded by the houses of the several gentlemen who reprefented this town in convention, and testified their approbation of their conduct by three huzzas from the whole line, and falutes from the ship, and the volunteer com-About four o'clock, the proselfion arrived at the hall, where refreshment was liberally provided, of which, as many as could find admittance, partook; but though the hall will hold fifteen hundred men, not above one-third of the procession could get in; however, we were happy that our country friends were accommedated to their wishes.

At two o'cleck, when the procesfion paffed by the state-house, captain Johnson's company of artillery honoured them with a falute of thir-

teen guns.

An all of affembly having paffed in April, 1782, direating all the trees in the streets of Philadelphia, to be cut down and removed, gave occafrom to the following publication .-The law was never executed, and foon afterwards repealed.

Speech of a flanding member. By the hon. Francis Hopkinson, efq. To the Printers of the Pennsylvania

Gazette.

Gentlemen,

OOKING over a file of papers, which lay on my table, I found a very extraordinary speech delivered by a very extraordinary personage in the house of Assembly in April last-which I had taken down in fhort hand-but not from the mouth of the speaker. I much wonder that this oration, with the furprifing circumflances that attended it, hath not been noticed in any of the public prints. I hope you will think the following account of that transaction, not unworthy a place in your paper.

On the 12th of April last, the house took into consideration, and was debating by paragraphs, a bill entitled, "an act for regulating party walls and partition fences in the city of Philadelphia"—when, to the amazement of all prefent, the business was interrupted by a voice perfectly articulate, proceeding from the capital of one of the columns which support the cicling of the room.

voice claimed a right to be heard on the subject of the bill then before the house. After the first surprise, at fuch an unufual prodigy, had a little fubfided, the right of a column to interfere in the bufiness of the house, was confidered and objected to; and it was urged, that no instance had ever occurred, where a wooden member-a block-kead-had prefumed to fpeak in that affembly; that this column could by no construction of law, be admitted as the representative of any part or diffrict of Pennsylvania; having never been balloted for, elected, or returned by any officer of government, as a member of affeinbly; that the house, when fully met, necessarily consisted of a certain number of members, and no more; and that this number is full and complete by the returns from the feveral counties, as appears by the records of the house. Therefore, if this column thould be allowed a voice, there must be a fupernumerary member fomewhere-which would be an absolute violation of the constitution; and laftly, that it was contrary to the order of nature, that an inanimate log should presume to interfere in the affairs of rational beings; providence having been pleafed to diftinguish fo obviously between men and things.

To all this the column firmly replied, that he was properly speaking, a flanding member of that house; having been duly fixed in his flation by those who had the power and right to place him there: that he was the true representative of a numerous race, descended in a direct line from the aborigines of this country-those venerable ancestors, who gave the name of Penn's-fylvania to this state, and whose posterity now inhabit every county in it: that he was not only a member of the house, but one of its principal fupporters-inafinuch, they could never make a house without him: that he had faithfully attended

the public business; having never been fined as an absence; and that those very members, who now opposed him, had confided in his wisdom and integrity, by constantly appealing to him in every contest, about the rules and internal economy of the house*; and lastly, that as the bill under confideration, so nearly concerned his fellow-creatures, and as he found himself miraculously endowed with speech, for the occasion, he was determined to make use of his present power, in behalf of those who could not speak for themselves.

After much debate, it was refolved that the house would hear what this importunate post had to say, respecting the bill before them; but peremptorily refused to allow him a vote on this or any other business in that as-

fembly.

The columnar orator, having obtained leave, addressed the house in

the following words:

"I am happy, O fellow-citizens! that speech hath been given me on this important occasion—and that I have your permission to exercise a power, thus miraculously obtained, in the cause of truth and justice.

" I stand here, this day, an upright advocate for injured innocencewhat fury—what madness—oh, deluded fenators! hath induced you to propose the extirpation of those to whom you are indebted, for fo many of the elegancies, comforts, and bleffings of life? If the voice of juffice is not to be regarded within thefe walls, let at least your own interests influence your conduct on this occafion; for I hope to flew that your fafety and happiness are much more deeply concerned in the buliness you are upon, than you are at present aware of.

NOTE.

* The rules of the house are framed and hung up against one of the columns.

" By the 12th fection of the bill now before you, it is proposed to cut down and remove all the trees standing in any of the threets, lanes, or alleys of this ciry. What! do we then hold our lives on fuch uncertain tenure? shall the respectable and inoffensive inhabitants of this city, stand or fall, according to the caprice of a few ignorant petitioners? and will this house, without remorfewithout even the form of trial-give its fanction to an edict, which hath not had a parallel, fince the fanguinary days of Herod of Jewry? Ihope to convince this honourable house, that trees, as well as men, are capable of enjoying the rights of citizenship, and therefore ought to be protected in those rights; that having committed no offence, this arbitrary edict cannot constitutionally passagainst them; and that your own welfare and that of your constituents, is warmly concerned in their prefervation and cul-

"The fuperiority, which man hath assumed, over what he calls the irrational and inanimate parts of the creation, is a superiority only founded in his own pride and ignorance of our nature and faculties. The same divine hand that formed you, formed The fame elements that nourish you, nourish us. Like you, we are composed of bones, bloodvessels, fibres-and, for aught you know, muscles and nerves; witness the whole class of sensitive plants; wherein voluntary motion is made fenfible, even to your grofs vision. Like you we die and return to the earth from which we fprang; and then the wifest amongst you, cannot distinguish between the dust of an elm and that of an emperor. But I go much farther, and affert, from your own authorities, that we fleep, and wake-that we are male and femalethat we are married and given in marriage, and that we propagate our species to fuller effect, and in a manner fomewhat fimilar to what you do yourielves. In support of these assertions, I could cite many respectable authorities from the ancients,—and, amongst the moderns, Grew, Millington, Ray, Camerarius, Morland, Geoffroy, Vaillant, and, above all, your favourite Linnæus.

"Wherein, then, doth the vast difference between man and the vegetable kingdom consist? Oh!eries yonder loquacious lord of the creation, we can converse—we can reason; oh! cries yonder restless and silgetty member, we can move from place to place at pleasure. To the latter I answer, so can an osis, an osus, an eel, and to much better advantage than he can, with all his locomotive faculties.—The former requires a more serious

reply:

"We can converse—we can reafon." Be it fo. Man, arbitrary man, hath affixed certain ideas to certain founds: if these noises or sounds are adapted to his miferable apprehension, they are called, language. reason, music, and what not. But if the man should not be wife enough to understand the meaning of the noise he hears, he helitates not to pronounce it, jargon, nonsense, unintelligible siuff. Thus, for instance, a man stands up and makes a long noise, which is called, philosophy, divinity, law, &c.; an ass lifts up his head, and makes a much greater noise; and it is called braying. Yet to his own species, the ass is an intelligent creature, and his language is well understood by them. If, then, man can thus mistake the matter with respect to brutes, although he fees that nature hath given them the organs of fpeech, and daily hears them exercise those organs for the purposes intended, may he not also be mistaken with respect to the language of plants-a language too refined to make any impression upon his gross and callous senses? That fuch a language doth actually exist, might be sufficiently proved from the authority of holy writ: wherein we are repeatedly told, that the vallies rejoice and fing, and the cedars of Lebanon praise the Lord. But I shall content myfelf with reading to your

honours, a passage to this purpose, from that ingenious author, Cyrano de Bergerac-voyage to the moon, p. 91. "This fancy of eating by " himself made me curious to know "the reason of it. I was answered, " that he chose not to taste either the " odor of meats or herbs, unless they " had died fpontaneously: because "he imagined them beings capable " of grief." " I'am not much furprif-" cd," replied I, " that some orders of " people here abstain from flesh and " things that have fensitive life: yet "it feems to me ridiculous to fear " hurting a cabbage in the cutting." " For my part," replied the demon, "I must own there appears to me " good reasons for such an opinion; " for is not a cabbage a being exist-"ing in nature, as you are? have " you not both her equally for your "mother? and she is more imme-"diately fo to the vegetal than the " rational production. The generation of the latter she hath left to "the whim of a parent; a rigour " fhe doth not extend to the former; " inalmuch, as the obliges one to pro-"duce another. And whilst one oman is fearcely able to get more "than a score of his species at belt, " a head of cabbage shall produce " four or five hundred of its own " fort. Should we fay, that nature " hath a greater efteem for a man than she has for a cabbage, it " would be only with a view to make " us laugh: for nature is incapable " of passion, and can never love nor "hate. If the was fusceptible of love, the certainly would have a " greater tenderness for the inof-" fenfive cabbage, than for the unre-

" lenting man who destroys it."-And again, page 95-" Who has giv-" en us the knowledge of certain be-"ings superior to us, to whom we " are neither related nor proportion-" ed; and whose existence we find it as difficult to conceive, as the " manner in which a cabbage can " address itself to its own species. "To understand which communica-"tion, our senses are too weak. "Remember, if you can, amongst all the species of animals, one more " proud than the cabbage-who, "while you destroy him, is above " complaining-yet, though he dif-"dains to murmur, he thinks, never-"thelefs, the more. If he wants " fuch organs as you are mafter of, "formed for wailings and tears, " yet he has others wherewith to im-" plore heaven to revenge the injury "done him, and expects it will not "be withheld. It is not unlikely " but you may ask, how I know the " cabbage has these fine thoughts? " but, inform me first, can you prove "it has not? or that, at the close of " the night, the Russia cabbage does " not fay to the favoy-good favoy, " your most humble servant."-

But still, fays man, we have rationality and rifibility, to distinguish us from the rest of the creation: that is, when nature gave one man the power to reason, she gave another the power to laugh at him. For our parts, we are contented to be directed by the laws of nature-which fully enable us to answer the end of our creation. We pretend not to be wifer than the hand that made us, and therefore we are guilty of no follies or excesses. We employ none of our powers in devising means for the more speedy and effectual destruction of our species. We do all the good we can, and, when we can do no more, we retire from our present form of existence, to make room for

our fuccessors.

This rationality, on which you fo much value yourselves, is, in my opinion, a striking mark of imbecility and difgrace - a punishment inflicted on your race, doubtlefs, for fome heinous offence, heretofore commit-The intelligent beings of the piritual world never reason; they ee truth intuitively; they know the whole chain of causes and effects: hey fee that in a triangle, the greateft angle must be subtended by the ongest side, without any reasoning upon the problem. And in terrefrial nature, there is no creature but man that is obliged to reason. They ill perform their respective functions with precision and certainty, under he influence of a law that cannot err: vhilft your reason is ever involving ou in absurdities and difficulties; is ver deducing false conclusions from alse premises, and the wifer you think yourselves, the more mischief you generally do. What is reason one day, is not reason another. thirty years ago, you reasoned upon the disease called the small-pox, and thousands in every city and country, fell facrifices to your rational fystem: but you have now discovered that your system is no longer rational, and have adopted a quite different mode of practice. Accident discovered your error, and fact and nature contradicted the learned reasonings of many a lengthy treatife on the fubject; and this has been the case in every art and science: the solid reasonings and supposed discoveries of one age, have been deemed fallacious and despised by another.

Befides this, your reason teaches you, to square all nature by your ideas of truth, and you know not what truth is: for instance, you eat, and drink, and walk, and you say, I have life; but yonder willow can do none of these—therefore it is inanimate. Deluded man! can your weak intellects discover all the nice grada-

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tions of life-from the stone to the moss that grows upon it-from the moss to the sensitive plant-from the fensitive plant to the polypus-from the polypus to the oyster-from the oyster to the ape-from the ape to the man-from the man to the angel!-from the angel to an infinite feries of beings, whom you know nothing of? do you not fee that all the exhibitions in nature, are fo many different modifications and manifestations of one original effence or principle? is not the gravity which retains Jupiter in his orbit, the fame gravity which operates on a grain in the scales of a Jew? The intelligent beings above you, amuse themfelves with the ridiculous blunders your rationality is continually making. They despise the wretch who stretches every faculty of his mind, to amassa hoard of wealth, which he has not the spirit to enjoy, they pity the inevitable fate of the voluptuous, and the vain toils of ambition-but they laugh incessantly at the folly of him who ranfacks the earth to gather flicks and stones, shells and bones, and after fpending years in arranging them to his mind, makes a rareeshow of his collection, and struts a philosopher, full of felf-importance and vain conceit.

If follies, absurdities, and mistakes were the only effects of your reason, they might be patiently borne with: but when you exercise it to overreach, ruin and destroy each otherwhen you exert its powers to conceal or embarrass truth-to establish falshood-to lead the blind out of his way, and the lame into a ditch-to render yourselves more ingeniously wicked, and more effectually mifchievous-those divine intelligences look down with horror and difgust on you and your boafted reasonthey turn afide from the hateful object, and view with pleafure, the flately oak and wide-spreading beachthe water-loving willow, and the fruitful vine—even all the vegetable creation, which, from the pine that waves on the mountain's top, to the herb that drinks the dew of the valley, fill with exact propriety their respective stations; and are invariably governed by the laws of nature, which are the laws of truth and wisdom.

After all, your reason is but instinct broke loose—or rather, instinct is reason confined within proper limits, and directed to the proper objects. Do not, then, presume upon a faculty, which, on the whole, will be found to have been the curse of your species. To prove this you need only look into history, for the facts and characters of former times—or to look round you, for those of the

prefent.

I might now, may it please your honours, point out many circumstances, wherein nature hath most evidently and advantageously distinguished the vegetal part of her works from man, by giving them a real and substantial superiority. But, lest I should wander too far in so large a field, and encroach on your patience, I shall confine myself to one instance only. When a man dies----when he can no longer perform the functions of life---his body in a few hours becomes a useless, loathsome mass of corruption, which his nearest friends hurry away, and put out of fight for ever. It is not fo with us --- witness my appearance here this day. It is now several years since an end was put to my vegetal life, by the fatal axe. My skin was stripped off, and my limbs lopped away; yet you fee my body is still of use; I stand here, firm, found, and hearty; and, barring an accident from allconfuming fire, I shall attend the future debates of this house, when all these, whom I have now the honour to a ldrefs, shall be no more.

Having, I hope, fully convinced your honours, that trees as well as men are capable of citizenship, I shall now proceed to consider the crimes and offences with which the trees in this city have been charged, and which the 12th section of the bill before the house is intended to punish.

The preamble of this fection fets forth, "whereas trees growing in the public streeets, lanes and alleys of the said city of Philadelphia, do obstruct the prospect and passages throthe fame, and also disturb and disorter the water courses and foot-ways, by the extending and increase of the roots thereof, and must tend to spread fires when any break out in the said city: be it therefore enacted, &c."

Your honours have an old faying called a proverb, which naturally occurs on this occasion --- " it is eafy to find a flick to beat a dog"---that is, a man is never at a loss for a reafon for punishing those who are in his power, and whom he wishes to opprefs. But thefe trees, it feems, obstruct the view :-- of what? of many wretched buildings, and fome dirty For I deny that any one elcgant street or building is more obstructed by trees than is necessary for the comfort of the inhabitants, and to give beauty to the prospect. Men of taste have always thought that a due mixture of trees and buildings---the beauties of art and nature united-elegant architecture difcovered through luxuriant foliage, compose an exhibition truly delightful and fublime. But it feems your honours think otherwise: this clause, therefore, should run thus: " whereas a moderate proportion of trees is a great ornament to a city: and whereas we have no tafte whatever for elegance and ornament: Be it therefore enacted," &c.

As to those trees obstructing the passage, this I must absolutely deny.

They have modeftly posted themfelves as close to the gutters and water-courses as they can, leaving both foot-way and cart-way free and open. If, however, any straggler should be found so obstructing the passage, let him die the death-I have nothing to fay in his behalf. But it is alledged, that they, the aforefaid trees, diffurb and diforder the water-courses and foot-ways by the extension of their roots. If so. cut off the offending roots: but do not destroy the whole tree. When inflice exceeds her limits, the forfeits her name. This evil is of modern discovery: and, if instances should be demanded to support the charge, they must be carefully looked for: I aver that the fact is not generally true. Lastly: trees communicate fire. Now, a tree hath no greater enemy in nature than fire—cut him into inch pieces-grind him into fawdust-he will still exist as wood, for many, many years. Fire, alone, can fuddenly separate its component parts, and deftroy its name. Whilth it hath life, it obstinately resists this all-confuming foe-no art can make a green tree burn-no. nor a green log-as many a curfing cock can

Besides the charges laid in the bill. two others have been fuggefted against these poor trees, viz. that they obstruct the operation of the engines, in case of fire; and that they are not well affected to the prefent government, because they remained in the city, when the enemy took possession of it. As to the first. little need be faid. When the cafe occurs, let the obstacle be removed: an axe is always to be had; and the operation may eafily and speedily be But to depopulate a performed. whole city for the possible offence of a few individuals, is certainly neither law nor reason. As to the second, it will not, I apprehend, be

contended, at this day, that the leaving the city, or not, on the approach of the enemy, makes the true line of distinction between whig and tory. It must be confessed, that we remained when others fled .--We stood our ground, and we fuffered in our country's cause. Turn, worthy fenators, turn your eyes to yonder fields-look towards the banks of Schuylkill-where are now those verdant groves, that nied to grace the prospect, and enrich the scene? Where are now those venerable oaks, that o'er the evening walk of fober citizen, of musing bard, of sportive youths, and amorous nymphs and fwains, were wont to spread their all-refreshing shade? Alas! nought now remains, but lifeless slumps, that moulder in the summer's heat, and winter's frost-the habitations fit of poisonous fungi, toads, and ever-gnawing worms-Hine ille lachryma! These are thy feats, O Howe!-Excuse, great firs, this weakness of a post-or rather, join your sympathising tears with mine. The loss is yours—a loss, the importance of which you have not, parhaps, duly confidered, and which I shall now endeavour to present to your view.

Having endeavoured to shew the rank my fellow trees hold in the feale of beings, their capacities of pleasure and pain-having also obviated the charges brought against them-and touched upon their fufferings in the great political revolution of this country—I come now to the last argument I intended for their defence: I mean the great use and importance they are of to mankind: and here I shall be very concife, avoiding to mention those numerous circumstances, in which trees obviously contribute to the pleafure, convenience, and profit of menconfining myfelf only to one ferious confideration; I mean, how far the

healths and lives of the citizens of Philadelphia are concerned in the business you have now in hand. few hours will be fufficient to execute this fatal law: but it will take years to repair the damage, when you shall have discovered your error. Consider, therefore, O rash and capricious mortals! what you are about to do, whilst consideration may be of any use. Caution is never too late: repentance may be. that those trees, whom you are about to extirpate, are your best-your fafeit physicians. The health of your citizens depends upon their growth: and you are now to decide not only upon the existence of a few trees, but on the lives of hundreds of your fellow creatures: I fay, these trees are your best-your fafest physicians. They have published no books: therefore they have no fystems to support. Their practice is ever uniform, dictated by nature, and established by fuccess: and therefore they make no whimfical experiments on their patients-experiments uncertain in every thing but mifery and death: in a word, they have no occasion to kill one hundred, in order to learn how to cure one.

In the autumn, they modeftly drop their foliage, to admit the comfortable rays of the fun to your dwellings-their leaves being then of no farther use to you. But no sooner does the fpring advance, than they arm themselves in your defence; they fee the enemy approach-innumerable little deaths, in various fub-These are, by the fertile forms. menting heats of fummer, generated in every pool, gutter, and common fewer, and in all the murky filth of your city. No fooner have the poifonous atoms acquired sufficient malignity, but they leave their native cells, and float in air. One of thefe, inhaled, infects the blood-and foon a husband, son, or father falls.

prevent this, the friendly tree spreads its broad and numerous foliage.-Every leaf is extended to intercept and absorb the floating mischief; and thus receiving and digesting the noxious particles, they purify the ambient air. This important philofophy was first discovered by dr. Priently, improved by Ingenhausen, and will be profecuted by Fontana, to the great enlargement of useful knowledge. The enemy had studied Priestly, when they cut the trees from yonder plain-hoping thereby to leave the atmosphere poisoned for your destruction. Is it not obvious, that diseases most prevail when vegetation ceases? About the middle of August, most leaves have acquired their utmost growth: they are faturated with noxious effluvia: they can no longer perform their friendly office: and therefore, from that time to the first frost of the season, which effectually concludes the generation of those pernicious airs, sickness and deaths are most frequent. This use of the vegetable tribe seems to be a modern discovery—unless we may suppose it to have been known to the Indians of America, because a leaf pasted on the breast, is, amongst them, the infignium of a physician.

And will you then, oh guardians of the people! will you by a fatal decree, banish from amongst you, those salutary citizens, to whom you are so much indebted for the blessings of health, without which every other bleffing loses its value? what advantage do you propose to yourselves by such a measure? your firects and alleys, indeed, will not be obstructed by trees---but they may be obstructed by lengthened funerals and mournful processions. I shall not prolong the subject. If your honours will but balance the imaginary good with the real danger that must attend such a measure, I am confident that your zeal for the public fafety, will induce you to remove not the trees from the streets of the city—but the 12th section from the

bill before you.

I have but one thing more to add, and that is, that by the fiftcenth fection of your conditution, you are enjoined not to pass any law, except on occasions of sudden necessity, until the next fession after the same hath been proposed and published for consideration. No such necessity appears in the present case: the roots and oranches of these devoted trees will not increase to such a ruinous and enormous size between this and the next session of assembly, as to render immediate amputation necessary.

I would be far from suppessing this honourable house, capable of malice or partiality—but must observe, that this bill hath been hurried through the forms of legislation with unsual speed. You have spent much precious time in considering whether A. or B. should sit for a certain time in a certain chair; but do not hesitate to doom to death, a number of quiet, harmless, and benesicent citizens, without remorse—without enquiry—without the common forms of jus-

Here the orator ceased, and was dumb. The house was more furprised at the manner, than attentive to the matter of this curious speech. The question was put, and the clause passed without a differential voice—notwithstanding the importunate eloquence of this philosophic post.

SILVESTER.

August, 1782.

Laws of the Philadelphia society for promoting agriculture; as revised and enacted by the said society on the tenth day of January, 1786.

I. THE fociety shall be stilled the Philadelphia fociety for promoting agriculture.

II. The fociety's attention shall be confined to agriculture and rural affairs: especially for promoting a greater increase of the product of land within the American states.

III. The fociety shall have a president, a vice-president, a treasurer. and a secretary: and an affishant secretary, when the increase of business shall require it; all of whom fhall be annually elected, by the tickets of a majority of the members present at the stated meeting of the fociety in January; the persons so elected to continue in office one year, and until others shall be chofen in their stead. And in case of any vacancy, by death, refignation, or otherwise, the same may be supplied by a new election, to be made at any stated meeting of the fociety; the person thus newly elected to serve the remainder of the year.

IV. At all meetings of the fociety, the prefident shall exercise the usual duties of that office: all motions shall be addressed to him: and on all questions he shall collect and declare the votes. He shall also have power to call special meetings of the society, by notice published in at least two of the city newspapers. In his absence, the same duties shall be performed by the vice-president. And if it happen, at any meeting of the society, that both the president and vice-president be absent, the members present (being a quorum to

a vice-prefident for that meering.

V. The treasurer shall keep the accounts methodically stated in the books of the society, and, when called upon, produce them for inspection. At the last meeting of every year, and also whenever his office ends, he shall produce a fair and regularly stated account of all receipts, payments, and expenditures, and deliver it, together with those books, and

constitute a regular meeting for the

business to be transacted) may choose

all other property of the fociety in his hands, to his fucceffor in office, or to the orders of the fociety.

VI. The fecretary and his affiftant fhall have in charge all the books and papers of the fociety, and keep the fame in exact order. They shall also register all letters which shall be written by the committee of correspondence, or by themselves by order of the committee.

VII. At the annual meeting of the tociety in January, shall be chofen a committee of correspondence, to consist of five members, any three of whom to be a quorum, for the purpose of corresponding with any other society, or persons, touching the objects which this society has in view. The same members shall also be a committee of accounts, to receive and adjust all claims against the society, for its contingent expenses, and give orders on the treasurer for payment.

VIII. The flated meetings of the fociety shall be on the first Tuesday

of every month.

IX. The members of the fociety shall be distinguished into residing members, or members, and honorary The twenty three perfons named when the fociety was first proposed to be instituted, and whose names are entered in the minutes of the eleventh of February, 1785, are members, according to the eighth article of the first laws of the fociety, enacted on the 15th of March, 1785. All members afterwards added to the fociety, were, and shall continue to be, of persons residing within a convenient distance to attend the meetings of the fociety at Philadelphia: and these are designed to be such only as, at the time of election, refide within ten miles of the faid eity, on either fide of the Delaware. All members of agricultural focieties in other states and countries, with whom we shall correspond, and all

persons of this state and of other states and countries who shall be elected by us for the purpose, shall be lonorary members; and are hereby invited to assist at our meetings whenever they come to Philadelphia. Strangers who have a propensity to agriculture, and desire to be present as auditors, may be introduced by a resident member.

X. New members and honorary members shall be elected by the use of balls of two different colours; the one to be affirmative, the other negative to the question. And the secretary shall issue notice to each person of his being elected, to the sollowing purport—On the day of 17. A. E. of

was elected [a member or honorary member] of the Philadelphia fociety for promoting agriculture; the fociety inviting his affiftance.

C. D. fecretary.

XI. All elections and appointments shall be between eight and nine o'clock in the evening, at one of the stated meetings of the society. And no person shall be elected a member or honorary member, unless at the next preceding meeting he shall have been openly proposed, and such nomination duly entered on the minutes of the society. The nomination and election to be in the absence of the candidate.

XII. The fociety shall annually propose prizes, upon interesting subjects, relative to actual experiments and improvements, and for the best pieces written on proposed subjects. And in order most effectually to diffeminate the knowledge of useful diffeminate the knowledge of useful diffeoveries and improvements in husbandry, the society will, from time to time, publish collections of memoirs and observations, selected from such communications as shall be made to them. To promote

these views, the friends of agricul-

are are invited to affift the fociety with information of experiments and

ncidents in husbandry,

XIII. All claims of prizes shall be fent in writing; and when read, he fociety shall determine which of the claims, relative to each prize, hall be felected for their definite udgment, on a future comparison. This judgment is to be given at the stated meeting on the first Tuesday in February. If it happen, in any cafe, that there be no competition for a prize, but only a fingle claim, the ociety will confider such claim; and if the claims or claim, be supported inswerably to the views and just expectations of the fociety, the prize proposed shall be decreed. ums and prizes are equally due to persons residing in any of the united states, according to the merit of their

respective exhibitions.

XIV. For the purpose of defraying the necessary expences of the fociety, for premiums and prizes, books on agriculture, improved instruments of husbandry, and other important objects, and contingencies, every member shall annually pay to the treasurer a contribution of four This contribution shall be dollars. confidered as due and payable at or before the last day of December in every year. And at the first meeting in January, the treasurer shall lay before the fociety a lift of the members, specifying who have and who have not paid their contributions: and any member whose contribution shall be found to be more than one year in arrear, after the fame shall have become due and payable as aforefaid, provided payment thereof has been perfonally demanded of him by the treasurer, or collector, authorised by him for the purpose, such member shall be considered as withdrawing from the fociety, and be no longer deemed a

member of it; and the fame shall be entered in the minutes.

XV. New rules, or alterations to be made in old rules, shall be proposed, and the proposal entered in the minutes, at the next preceding regular meeting; and may then be made by no less than two-thirds of the members present, who shall not be sewer than thirteen, including the president or vice-president.

XVI. A quorum for ordinary buness shall consist of at least five members, including the president or vice-

president.

XVII. When any part of the fociety's funds is to be disposed of (excepting for ordinary contingent expenses) the same shall be done at a stated or special meeting, after a notification of such intended appropriation has been published in two of the city newspapers, at least one week before such meeting shall be held, when thirteen members, including the president or vice-president, shall be necessary to constitute a quotum.

XVIII. Still farther to advance the objects of this inftitution, the fociety will promote the establishment of other similar societies in these states.

XIX. On the first meeting of the society in January, in every year, there shall be a revision of the then substituting rules; and the same shall stand confirmed, so far as two-thirds of the members present, being at least thirteen, including the president or vice-president, do not revoke or alter them.

The following are the officers of the fociety for the present year:

PRESIDENT,
Samuel Powell, efquire.
VICE-PRESIDENT,
John Beale Bordley, efquire.

TREASURER.
Tench Francis, esquire.
SECRETARY,
Doctor Samuel P. Griffitts.
COMMITTEE OF CORRESPON-

Samuel Powell, efquire; Gcorge Clymer, efquire; Tench Francis, efquire; Robert Hare, efquire; John F. Mifflin, efquire.

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Premiums proposed by the Philadelphia fociety for promoting agriculture.

a. TOR the best experiment made of a course of crops, either large or small, on not less than four acres, agreeable to the principles of the English mode of farming—a piece of plate of the value of two hundred dollars, inscribed with the name and the occasion: and, for the experiment made of a course of crops next in merit—a piece of plate, likewise inscribed, of the value of one hundred dollars. Certificates to be produced by the 20th of December,

1790. 2. The importance of complete farm or fold-yards, for sheltering and folding cattle-and of a preferable method of conducting the same, for procuring great quantities of compost or mixed dung and manure, within the husbandman's own farm, induces the fociety to give, for the best design of such a yard and method of conducting it, fuitable to this climate and circumstances of common farmers—a gold medal:—and, for the second best, a filver medal. The defign to be presented to the society by the 20th of December next.

5. For the best method of counteracting the injurious effects of frost, in heaving or spewing up ground, and exposing roots of wheat

to the drying winds of the spring, founded in experience, a gold medal: and, for the second best, a silver medal. The account to be prefented to the society by the 20th of December next.

4. For the best method of raising hogs, from the pig, in pens or sties, from experience, their sometimes running in a lot or field not totally excluded, if preferred; a gold medal: and, for the second best, a filver medal. To be produced by the

20th of December next.

5. For the best method of recovering worn-out fields to a more hearty state, within the power of common farmers, without dear or far-fetched manures; but, by judicious culture, and the application of materials common to the generality of farmers; founded in experience; a gold medal: and, for the second best, a filver medal. To be produced by the 20th of December, 1788.

6. For the best experiment, soil and other circumstances considered, in trench-ploughing, not less than ten inches deep, and account of the effects thereof, already made, or to be made, on not less than one acre; a gold medal: and, for the second best, a filver medal. To be produced by the 20th of December, 1789.

7. For the greatest quantity and variety of good manure, collected in one year, and best managed, from materials common to most farms; regard to be liad to the proportion and goodness of such manure, and the quantity and goodness of the arable and grafs-lands of the whole farm on which it is obtained, a gold medal: and, for the second best, a silver medal. To be claimed by the 20th of December, 1789.

8. For the best information, the result of actual experience, for preventing damage to crops by infects; especially the Hessian siy, the wheat-

fly, or fly-weevil, the pea bug, and the corn chinch-bug or fly; a gold medal: a filver medal for the fecond best. To be produced by the 20th of

December, 1788.

9. For the belt comparative experiments on the culture of wheat, by fowing it in the common broad-calt way, by drilling it, and by fetting the grain, with a machine, equiditant; the quantities of feed, and produce, proportioned to the ground, being noticed; a gold medal: for the fecond belt, a filter medal. The account to be produced by the 10th of January, 1789.

o. For an account of a vegetable food that may be easily procured and preferved, and that best increases misk in cows and ewes, in March and April, founded on experiment; a gold medal: for the second best, a sliver medal. To be produced by

the 10th of January, 1789.

11. For the greatest quantity of ground, well fenced, in locust trees or poles of the fort used for posts and trunnels, growing in 1789, from seed sown after this time, not less than one acre, nor sewer than 1500 per acre, a gold medal; for the second, a silver medal. To be claimed

in December, 1789.

12. The fociety believing that very important advantages would be derived from the general use of oxen, inflead of horses, in husbandry and other services; and being desirous of facilitating their introduction into all these states; persuaded also, that the comparative value of oxen and cows must very much depend on the qualities of their fires and dams; and that by a careful attention to the fubject, an improved breed may be obtained: they propose a gold medal for the best estay, the result of ex-perience, on the breeding, feeding, and management of cattle, for the purpose of rendering them most profitable for the dairy, and for beef, Vol. III. No. II. and most docile and useful for the draught; and, for the next best, a filver medal. To be produced by the first of January, 1789.

N. B. Among other things, the effay should notice the different breeds of cattle, and their comparative qua-

of cattle, and their comparative qualities; as their fizes, flrength, facility in fattening, quantity of milk,

&d.

13. It is a generally received opinion, that horses in a team travel much faller than oxen: yet fome European writers on husbandry mention many instances, in which it appeared, not only that oxen would plough ts much ground as an equal number of horses; but also travel as fast with a loaded carriage; particularly when, inflead of yokes and bows, they were geared in horse harness, with such variations as were necessary to adapt it to their different shape. ascertain the powers of oxen in these particulars, and the expense of maintaining them, the fociety deem matters of very great moment; and are therefore induced to offer a gold medal for the bell fet of experiments, undertaken with that view; and for the next best, a filver medal. In relating thefe experiments, it will be proper to describe the age and fize of the oxen, their plight, the kinds and quant ties of their food, the occafions, manner, and expense of shoeing them; in travelling, the kinds of carriages used, and weight of their loads, the feafons of the year, and the length and quality of the roads: and, in ploughing, the fize and fashion of the plough, the quality of the foil, the depth of the forrows, and the quantities ploughed: and, in every operation, the time expended, and number and fore of hands employed in performing it; with any other circumstances which may more fully elucidate the fubject. These experiments will enable the esfayist to determine what will be the

best form and construction of yokes and bows, and what of ox-harness, to enable oxen, with the best carriage of their bodies and heads, the most ease, and quickest step, to draw the heaviest loads, a description of each of which gears, explained on mechanical principles, must be subjoined to the account of the experiments: to be produced by the first day of

January, 1789.

14. For the best method, within the power of common farmers, of recovering old gullied sields to a hearty state, and such uniformity, or evenness of surface, as will again render them fit for tillage; or where the gullies are so deep and numerous as to render such recovery impracticable, for the best method of improving them, by planting trees or otherwise, so as to yield the improver a reasonable profit for his expenses therein, sounded on experiment; a gold medal; and for the next best, a silver medal; to be produced by the first of January, 1790.

15. For the greatest quantity, not less than five hundred pounds weight, of cheese, made on one farm in any of these states, equal in driness, richness, and flavour, to the Cheshire cheese usually imported from England, and which shall be produced to the fociety by the first day of Janua-ry, 1789, a gold medal; and for the next greatest quantity, not less than two hundred and fifty pounds weight, of like quality, a filver medal. Befides which, the fociety engage to pay for the cheese so produced, at the rate of ten per cent, more than the then current wholefale price at Philadelphia, of Cheshire cheese, of the same quality.

16. For the best method, deduced from experience, of raising the American white-thorn from the seed for hedges, and the greatest number of plants raised in a space not less than half an acre, a gold medal: for the

fecond best, a filver medal. To be produced by the first of December, 1790.

17. The fociety believing that the culture of hemp on fome of the low rich lands in the neighbourhood of this city, may be attempted with advantage, do hereby offer a gold medal for the greatest quantity of hemp raised within ten miles of the city of Philadelphia. The quantity not to be less than four acres: for the second greatest quantity, a filver medal.—The claim to be made by the first of December, 1788.

*** The claim of every candidate for a premium, is to be accompanied with, and supported by, certificates of respectiable persons, of competent knowledge of the subject. And it is required that the matters, for which premiums are offered, be delivered in without names, or any intimation to whom they belong; that each particular thing be marked in what manner the claimant thinks sit; such claimant fending with it, a paper sealed up, having on the outside a corresponding mark, and on the inside the claimant's name and address.

Respecting experiments on the products of land, circumstances of the previous and subsequent state of the ground, particular culture given, general state of the weather, &c. will be proper to be in the account exhibited. Indeed, in all experiments and reports of sasts, it will be well to particularize the circumstances attending them. It is recommended that reasoning be not mixed with the sasts: after stating the latter, the former may be added, and will be acceptable.

Although the fociety referve to themselves the power of giving, in every case, either one or the other of the prizes (or premiums) as the performance shall be adjudged to deferve, or of with-holding both, if here be no merit-yet the candidates nay be affured, that the fociety will Ilways judge liberally of their feveral :laims.

S. P. GRIFFITTS. Sec'rv.

Philadelphia, Feb. 5, 1788.

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Report of the managers of the Penn-Sylvania society for the encouragement of manufactures and the ufeful arts: addressed to their constituents, January 18, 1788.

Gentlemen,

E entered on the performance of the duties you affigned to us, under a strong conviction of their importance to the public welfare. and with a proportionate zeal to difcharge them with effect. The short duration of our appointment, the novelty of the undertaking, and the extensive and complicated nature of the necessary enquiries, have prevented our making a progress correspondent to our wishes; but we flatter ourselves we have opened a path for our fuccessors, and that with the information we shall transmit them, they will be enabled to fulfil effectually the views of the fociey.

Our first attention was paid to those articles, which, at the same time that they are suited to the refources of this country, and are called for by its necellities, have been hitherto overlooked or neglected: we have pointed out a variety of these to public notice, and have endeavoured by fuch honorary premiums as are fuited to the funds of the fociety, to lead those persons who may be able to pursue such objects, to set a laudable example to their fellow citizens.

We have fince made a general review of the arts and manufactures ellablished here. In the course of this enquiry, we have found that fome important articles are rifing to great perfection, and have precluded the necessity of importing them from foreign countries: many, we are forry to fay, are in a declining state. and some of these, without affishance and support, must inevitably be lost to this country. We have, nevertheless, the strongest reason to be-lieve, that when, by the establish-ment of a general government, the clandestine importation of foreign articles shall be prevented, and that preference given throughout the united flates to the manufactures of America, which the common interest demands, our established manufactures will resume their former vigour, and others be found to slourish which have hitherto been little known among us.

Having had reason to believe that the interpolition of foreigners will be exerted to prevent the growth of our manufactures—we thought it our duty to join the manufacturing committee, in an application to government to counteract fuch injurious deligns.

On the whole we are able to affure you, that it is probable much benefit will refult to the public, from this institution, if it is duly supported: It will ferve to collect an useful fund of information, for the fervice of the public, and of individuals; to diffinguish those manufactures, which may be undertaken with fuccess; to suggest means for their improvement and extension; and to become a centre of union to the manufacturing interest in general. Under the impression of these opinions, we recommend it to public patronage and support, as intimately connected with the future welfare of this

Signed by order of the board, SAMUEL POWEL, v. pref. Philadelphia, Jan. 18, 1788. Attell. GEO. FOX, Sectry.

A view of the principles, operation, and probable effects of the funding fystem of Pennsylvania—together with some observations on the effects of a sinking fund—tending to shew, that this state, by a proper application of her present resources, may redeem the whole capital of her funded debt in a few years.

" Public credit is public wealth."

IT will be found, on a comparison of the state and circumstances of fociety and civil government, in former times, with their present situation and condition, that principles and maxims have become effentially necessary in well-regulated modern governments, which were but little known, or little regarded, till within the last two or three hundred years. Governments, in former times, were fo organized, and fo conducted, as to be little dependent on revenue systems. Disbursements from the public treasury were confined to a few objects, and its supplies drawn from the plunder of enemies, or irregular exactions from the people, which were generally partial and op-pressive. Since the distribion of knowledge, by the art of printing, the extension of commerce and navigation have opened new fources of public revenues, as well as of private wealth. The rights of mankind have been better underllood. New ideas and new principles have pervaded the fyllems of government; and partial and oppressive exactions of property and personal services have given way to less inconvenient and more equitable modes of liquidating the public burdens; whereby contributions are better proportioned to the means of the respective members of the community. Hence the arrangement and administration of the public finances have become foimportant a branch of the business of government, in all civilized countries, as to demand the most ferious attention and fystematic management.

The more free and liberal the government is, in other respects, the more closely ought this branch to be attended to, in the formation and observance of system in the collection and disposal of the public revenues: because, in free governments, public credit is not only necessary in a higher degree, but more dependent on a strift adherence to system in matters of finance, than in those that are more despotic. Experience has shewn that those nations which have the greatest degree of public credit, are the most powerful and most respectable in proportion to their advantages in other respects. They can on any emergency obtain loans of money, on eafy terms, to any amount they may have occasion for; and thus, by anticipation, bring into immediate use the revenues of future years; while nations, less careful to establish and preferve their public credit, are more circumfcribed in their resources, being obliged on emergencies to raise money on terms of great disadvantage, or to be confined in their disbursements to little, if any thing, more than the concurrent produce of their revenues. And fuch fupplies are always, when most wanted, either less productive or more bur-

densome than at other times.

Public credit is therefore public wealth. It is not only the surest, but, prudently managed, the least burdensome resource a government can rely on. It is the resource by which Great Britain bath been raised to her present association degree of wealth and power; and by which our American revolution was effected, though we have since suffered it in a great degree

to depart from us.

It is an important enquiry, in our present situation, how we shall repos-

fess ourselves of this inestimable treafure. Difficulties may affail us in the attempt; but these difficulties cannot arise from the want of proper means. If we fuffer them to give us any great obstruction, it must be in the modes of arranging and exercifing those means which providence hath bountifully bestowed upon us. The late superintendant of finance, in his address to the public, prefixed to the statement of the accounts of his administration, makes the following just and pertinent observations. "No treasen without has open ons. No treason either has opera-66 ted, or can operate, so great injury to America, as mult follow from a lofs of reputation. payment of debts may indeed be expensive, but it is infinitely more expensive to with-hold the payment. The former is an expente of mo-"ney, when money may be com-manded to defray it; but the lat-"ter involves the destruction of that 66 fource from whence money can be "derived when all other fources fail. "That fource, abundant, nay al"most inexhaustible, is public credit. The country in which it may " with greatest ease be established "and preserved, is America. And "America is the country which " stands most in need of it, whether "we confider her moral or political " fituation; and whether we advert 66 to her husbandry, commerce or 56 manufactures. An hundred schemes " are attempted for the introduction " of a paper currency, which, if it could be effected, would only pro-"duce a little temporary relief to a " few, and must involve the most extensive mischiefs to all; while " the plain remedy for the evils complained of, is at hand, though ne-"gletted. A due provision for the public debts would at once convert those debts into a real medium of "commerce. The possessors of cer-"tificates, would then become the

" possessor of money. And of course "there would be no want of it a-"mong those who, having property, " wish to borrow: provided that the 66 laws and administration are such 66 as to compel the punctual payment " of debts. This subject would lead 66 too far for the present purpose. "But it must be observed that we " are jult emerging from a long and "expensive war-a war more ex-" pensive than it ought to have been, " because the needy can never œco-" nomize, and because no degree of 65 talents can compensate the want of " experience."

If revenues were established in America, adequate to the payment of the annual interest of the national debt, and these revenues so appropriated and applied, as to make fuch payment regular and certain, public credit would revive and flourish in full vigour. A finking fund might easily be raised without additional burdens on the people, which in a few years would redeem the whole capital. And if, in the mean time, an approach of war or other emergency should require fresh provision, temporary revenues, equal to the annual interest of the sum required, would command the money whenever it should be wanted. This has been amply demonstrated by an experiment within our knowledge .-Great Britain has afforded us an example, by which we may derive the benefits, without incurring the evils of a funding fyslem. Shortly after the revolution which placed the prince of Orange on the throne, the circumstances of Great Britain, in matters of finance, were little, if any better, than ours are at present .-Their debts were heavy, their credit low, and their revenues could not keep pace with current demands, exclusive of discharging former debts. The jacobites or opposers of the revolution were fo numerous as to give

great obstruction to the wheels of government, and were watching opportunities to destroy it; while the whigs or revolutionists, being the principal public creditors, were too much exhausted to furnish the necessary supplies for maintaining the ground they had acquired. In this fituation, their funding fystem was devised. They appropriated part of their revenue for the payment of interest, with some addition for a finking fund for the discharge of the capital, and contracted new loans for such part of their current supplies, as the exigencies of the times required. But they were particularly careful to establish and appropriate revenues adequate to the payment of the interest of every loan they obtained, and generally fuch as afforded fome furplus to Grengthen and increase the finking fund. By these means, though they at first paid so high an interest as eight per cent, they not only extricated themselves from the difficulties which then beset them, but gained strength to refift the successive attempts which were afterwards made to replace on the throne, the tyrant race they had expelled.

It has been objected to the funding system of Great Britain, that it has been the means of involving the nation in a most enormous debt, which probably would not otherwise have ever risen to the tenth part of the prefent amount. But it should be remembered that this confequence hath not flowed from the fystem itself, but from an abuse of it. If its first principles had been jullly adhered to by a faithful application of the finking fund, the whole capital might have been honourably redeemed in a few years of peace. But a well-funded " national debt was confidered as a bond of union, which added strength and flability to the government .-They were therefore the less in halle to discharge the principal, though they

paid the interest with punctuality. Had they kept it within moderate bounds, it might have been equally useful in this respect, and less incon-venient in others. But changes of men produced changes in the meafures of administration. Ministers. who had the meannefs to court popularity at the expense of the true interests of the nation, seized for current occasions the revenues provided for the finking fund, under pretence of faving the people from taxes.-They "affumed apparent ment from real negligence, by feeding on the providence of their predeceffors," and thereby unjustly accumulated the burden which they fuccessively rolled upon poslerity. It is, however, an irrefragable argument in favour of the fystem, that it has enabled the nation to contract so deep a debt by the voluntary consent of her creditors. and with undiminished credit. Without fuch a fyslem, the nation would probably have funk into decay under the debts she had incurred, and the pressure of other circumstances: with it she has increased her credit and her means of payment, in proportion to the increase of her debt. The interest she pays is chiesly to her own citizens, which quickens the circulation of money, promotes agriculture and manufactures, and has extended her commerce and naval power to a degree beyond example.

[To be concluded in our next.]

····· BON-MOT.

A T a mufical country meeting, a vocal performer (who was rather shabbily dressed about his under garments,) being complimented on the power of his voice—vainly threw up his head, and replied,— "O Lord, fir, I can make any thing of it." Can you indeed? faid a wit in the company-why then I'd advise you to make yourfelf a pair of breeches of it.

To the editor of the American Museum.

The following is a copy of a letter, written lately by a gentleman of my acquaintance to a friend of his, who had requested fome directions on the reading of history. If you think it worthy of a place in your useful miscellany, be pleased to insert it, which will oblige

Your humble fervant, Kent county, Maryland, S. E.

4th Feb. 1788.

To I**** R*****, esquire.

THAT the human mind is like a garden, which, unless it be cultivated and made to yield flowers, will foon be over-run with weeds, is no new thought. Innumerable proofs might be adduced, to evince, that all created nature, spiritual as well as corporeal, is supported by a principle of activity. We look not for health in one who is confined to a dungeon, nor for virtuous exertion in the relaxed mind of an eastern despot. from the book of nature, we turn our eye to the book of revelation, we behold him, who was the perfect model of the human character, continually going about doing good. And if the idea be just, as both reason and inspiration teach, that we are but flewards, and not absolute lords, of whatever worldly goods or mental talents we may posses, it is assuredly our duty to improve them to the utmost of our power; that by employing them for the promotion of virtue and happiness among men, we may answer the views of him who entrusted them to us.

To prepare the human mind for virtuous action, to clear it from the rubbish of natural corruption, and to remove those impediments which, in its rude state, obstruct its beauty and usefulness, labour and diligent culture are necessary. By culture, how-

ever, the understanding and heart, though they must still be human, and consequently imperfect, may be greatly advanced above that degree in the scale of excellence, in which nature has placed them. How much clearness and strength may our intellectual powers acquire, by a course of mathematical investigation! What elevafrom the perusal of the book of na-ture and the splendid records of the government of providence! What justness of thinking may we acquire from the study of logic and a philofophical enquiry into the powers of the human mind! and what vigour may be added to every good principle, by contemplating, in a course of ethics, those engaging pictures of virtue, which experience fometimes, and imagination always, can furnish!

But I had almost forgotten that the intention of this paper was to give fome hints upon the reading of history. This is a species of study which will justly claim the attention of those, who, having no prosession in view, wish to blend pleasure with

improvement.

If it be true, that experience is the mother of wisdom, history must be an improving teacher. In her school, we may learn that wisdom, which others have purchased in life at a dear rate. Under her direction, we may reap fruits, without partaking in the labour. History has been called a mirror; the reason of which, I conceive, is, that building on the immutability of the laws of nature, and reasoning from analogy, we are enabled from the past, to conjecture concerning the future—as, from appearances in a looking-glass, we infer the reality.

True history, therefore, must ever be improving: romances would be equally so, were they faithfully copied from nature; but as that can faid of very sew of them, they are to

be regarded in respect of true narrative, as the wanderings of the ignis fatuus compared to the fleady course of the heavenly luminaries.

History may be divided into three kinds, natural, facred, and civil.

Of the first, the province is external nature, animate, vegetable, and unorganized. Linuaus, Buffon, and Goldsmith, are the most faithful delineators. The short path from the field of nature, to that of religion, has been opened and beautified by Ray, Derham, and the preachers at Boyle's lectures.

Sacred history treats of the progress of religion. As we believe the Jewish and Christian systems to be the only true ones which ever existed, we will not, if our aim be improvement and pleasure, pry into the la-mentable scenes of delusion and error. On this subject, then, a layman will find all he would wish to know in the facred pages of inspiration, Josephus's antiquities and history, and

Mosheim's compendium. Civil history has for its object the transactions and revolutions of empires, kingdoms, and nations. complete and uninterrupted history from the origin of the world is not to be had, nor would it be of any great use. The several shining periods, in the annals of mankind, have been investigated by Thucydi-des, Livy, Hume, and Robertson; and fuch writers, like the splendid arbiter of the day, elicit the pure ore from the richer parts of this exten-live mine, and diffuse a light through the furrounding regions. What is called the universal ancient and modern history, is, I conceive, a compilation like the dictionary of arts and sciences; and who would drink in the polluted stream, who can have recourse to the fountain? The firstrate historians, then, whose luminous pages alone, are entitled to attention from the votary of polite learning,

are generally known. Rollin's ancient history, Goldsmith's Greek and his Roman history, Ferguson's Roman history, Robertson's history of Charles V. his history of Scotland, and h flory of America (last edition) and Hume's history of England, claim superior notice. Gibbon is respec-table as a historian, and may be read with profit, by one whose religious principles are established, A general chronological view of the more important events and eras fince the creation, is proper; and fome account of the later periods of the history of Europe and America, and of the topography of those countries' is necesfary to prepare one for polite conversation.

Memoirs, voyages, and travels, form another species of history .-These are entertaining and highly instructive; as they represent nature on a lower scale, and more adapted to experience. Sully's memoirs, Bry-done's and Moore's travels, and Anfon's and Cook's voyages, are master-

pieces in this way.

The knowledge of the human character, and of the mental powers, actions and various fortune of particular men, being still more closely connect. ed with experience, is, in the highest degree, useful in the conduct of life; and in this view, Plutarch's lives may be elleemed one of the most entertain. ing and most instructive books in the world. The paintings of Homer. Shakespeare, and Milton, afford, like wife, excellent lessons in the history of moral nature.

These authors, in copying, truly represent the blemishes with the beauties. The book of inspiration, only. accounts for these impersections, describes their progress and tendency and proposes the remedies; and for this reason, it is entitled to the first place among the hiltories of the hu man mind, as well as of religion.

December 17, 1787.

SELECT POETRY.

The fea-faring bachelor .- By mr. Philip Freneau.

So long harrafs'd by winds and feas,
'Tis time, at length, to take your ease,
And seek a bride: for few can find
The fea a mistress to their mind.

In all your rounds 'tis wond'rous strange No fair one tempts you to a change: Madness it is, you must agree, 'To lodge alone till forty three.

Old Plato own'd, no bleffing here Could equal love— if but fincere: And writings, penn'd by heav'n, have fhewn That man can ne'er be bleft alone.

O'er life's meridian have you past; The night of death advances fast! No props you plant for your decline, No partner soothes these cares of thine.

If Neptune's felf, who rul'd the main, Kept sea-nymphs there to ease his pain; Yourself, who skim that empire o'er, May surely have one nymph on shore.

Myrtilla fair, in yonder grove, Has fo much beauty, fo much love— That on her lip, the meanest fly Is happier far than you or I.

The feafons moralized .- By the same .

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May blefs the favour of the fun
But feek in vain what charms us here,
Life's picture varying with the year.
Spring and her wanton train advance,
Like youth, to lead the festive dance:
All, all her fcenes are mirth and play;
And blushing blossoms own her sway.
The summer next (those blossoms blown)
Brings on the fruits that spring had sown:
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Thus men advance, impell'd by time, And nature triumphs in her prime. Then autumn crowns the beauteous year, The groves a ficklier afpect wear; And mournful she (the lot of all) Matures her fruits to make them fall. Clad in the vestments of a tomb, Old age is only winter's gloom—Winter, alas! shall spring restore, But youth returns to man no more.

The Brandywine.

If a fprightly dryads of this pleafing shade.

And all ye sisters of the facred nine!

My infant muse invokes your pow'rful aid,

To sing the beauties of the Brandywine.

Ye lovely naiades of this crystal stream, Who, festive, sport upon its limpid tide— And thou, Apollo, deign to grace my theme; Give ear, and o'er each line and verse preside.

Ye fylvan gods, and genii of the woods, Which skirt its steep and rocky banks along, And all ye nymphs, who bathe in lucid sloods, Assist and raise in softest notes my song.

Ye wanton loves, who flit around in air, Pellucid fays, thro' whom the fun-beams shine, Attentive listen to my ardent pray'r, And aid me to describe the Brandywine.

At first it oozes from its distant source,
The god there gently pours it from his urns:
It bends among the cragged rocks its course;
And lowly round in wild meanders turns.

No naiad yet to him her tribute pays;
For many a mile alone it humbly roams:
At length a thousand rills its waters raise,
And o'er each steep impetuously it Toams.

Nor felfish does it pass unnotic'd by;
Thro' wide canals it glides serene and still.
The stream, conducted from its course, on high,
Is taught to turn full many an useful mill.

^{*} The place here particularly alluded to, is a point of woods a little below Brandywine bridge.

Tho' no proud villas on its banks are found, Yet nature, dress'd in gay attire, is there; The hollow caves and deep'ning woods resound With songs of birds, which fill the burden'd air.

The blooming fair of Wilmington are feen, Oft times, reclining in its verdant groves: Whilst am'rous swains beside them on the green, In tender tales, disclose their ardent loves.

Here ruddy Health, with rofy cheeks, is found: She left the croud, and fought the calm retreat. Here Knowledge too, with bays eternal crown'd, Beneath the green wood shade has fix'd her feat.

Here Peace and Contemplation love to stray: The student here may turn the mystic page; In solemn silence muse throughout the day, And learn in youth the wisdom of an age.

O Pope, cou'd I but imitate thy lays, And make my numbers glow with fire like thine, I would transmit, to future times, its praise, And make immortal, lovely Brandywine.

The GREY MARE the BETTER HERSE.

N days of yore, I've somewhere read, A country squire from circes bred, Liv'd quite remote from noise and strife, And all he wanted was a wife. He to a lass did foon impart The ardent wishes of his heart; The maden now the flame returns, And each with equal ardour burns: Her father, too, gave his confent, And to the church they straitway went, When all was joy and merriment. The honey moon was scarcely past, When ma'am began to shew her taste For routs and riot, noise and strife, Which made spouse weary of his life. He to her father straitway went, And told him all his discontent.

The old man liften'd, paus'd a while; And thus he answer'd with a simile: "Son, if the world you did but know, You'd think it wrong to argue so: Look where you will, in ev'ry stage Of this degen'rate, wicked age, Whether in high or lower life, Each man is govern'd by his wife.

If you believe not what I fav. We'll prove it by the following way: Five horses in my stable stand. As good as any in the land: Five hundred eggs, to bear them part, I'll likewise put into a cart; With these the country you shall trace. And walk about each town and place: Strictly enquire at ev'ry house, Who is it governs, man or spouse? At ev'ry house where 'tis confest, The man is master-leave a beast: But where the wife is millres-fee To leave an egg; and if it be, The hundred eggs are fooner fpent, To take my daughter I'm content.

The fon departs—first house in fight He visited in merry plight:
But there'he found, 'twas all uproar,
"You lubber, go and ope the door."
He left an egg, and then proceeded,
Fretting he had so ill succeeded.
With this ill luck he travell'd o'er
Some twenty towns, I think, or more;

Now where a stately mansion stood, Hither our carter quickly rode—And soon alighting at the gate; Enquired for the mastler strait. The gentleman was yet in bed, But to the lady he was led. When seated, he without much force Of compliments began discourse: "To ask a question's all I want, And beg that you will deign to grant A faithful answer;—'tis to know Whether your husband rules or no?"

An answer soon the lady had, Which made our 'squire's heart full glad; "Why, sir, I'm not asham'd to say My husband always I obey."

The husband came and being seated, The business was again repeated; And after compliments were paid, Confirm'd each word his wife had said: Our hero, without faying more,
Took both his friends unto the door;
And begg'd they'd take, without much words,
The best horse which his team affords.
A black one struck the husband's fancy,
But then it did not please his Nancy:
She urg'd with energetic force.
"The grey mare was the better herse."
The husband many reasons gave,
Why he the black horse wish'd to have:
But nought would do: ma'am had her way,
And in a passion did she say:

"You shall have that!"—" Well," faid the man,
"You'll please yourself, do all I can;
Since 't must be so."—" Stop," says the 'squire,
"Instead of that, I must defire,
You'll take an egg; and I of course
Must travel homeward with my horse;
For now I see, throughout their lives,
All men are govern'd by their wives."

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Evil company.

HE garden breath'd a fweet perfume,
And all was beauty, all was bloom:
Th' orient fun unclouded shone,
And Flora's gayest robes were on:
Health was convey'd on ev'ry breeze,
The richest blossoms cloth'd the trees.
Hope sprung to think, that autumn's store
Would crown whate'er appear'd before:
When sudden rose a killing eastern blast,
And lo! the golden prospect all at once was past.

See you that youth, whose happier days
Inspir'd each gen'rous mind with praise—
Whom careful Culture's prudent hand
Had taught his passions to command—
Whose manners spoke a gentle heart,
Beyond the reach of modern art?
Where'er in those blest years he came,
He still excited friendship's stame;
Each caudid eye beheld him with delight,
When Folly's noxious air produc'd a fatal blight.

The dying Indian, or the last words of Shalum.

By mr. Philip Freneau.

N yonder lake I spread the sail no more!
Vigour, and youth, and active days are past:
Relentlets demons urge me to that shore,
On whose black forests all the dead are cast.
Ye solemn train, prepare the sun'ral song;
For I must go to shades below,
Where all is strange, and all is new—
Companion to the airy throng,
What solitary streams,
In dull and dreary dreams,
All melancholy, must I rove along?

To what strange lands must Shalum take his way!
Groves of the dead, departed mortals trace.
No deer along these gloomy forests stray,
No huntsmen there take pleasure in the chace:
But all are empty, unsubstantial shades,
That ramble through those visionary glades:
No spongy fruits from verdant trees depend,
But sickly orchards there
Do fruit as sickly bear:
And apples a consumptive visage shew,
And wither'd hangs the hurtle-berry blue.
Ah me! what mischiefs on the dead attend.

Wand ring a stranger to the shores below,
Where shall I brook or real fountain find?
Lazy and sad, deluding waters slow—
Such is the picture in my boding mind!
Fine tales, indeed, they tell
Of shades and purling rills,
Where our dead fathers dwell,
Beyond the western hills:
But when did ghost return, his state to shew—
Or who can promise, half the tale is true?

I, too, must be a sleeting ghost—no more—
None—none but shadows to those mansions go:
I leave my woods—I leave the Huron shore—
For emptier groves below!
Ye charming folitudes,
Ye tall, ascending woods,
Ye glassy lakes, and prattling streams,
Whose aspect still was sweet,
Whether the sun did greet,
Or the pale moon embrac'd you with her beams—

Adieu to all!
To all that charm'd me where I stray'd,
The winding stream, the dark sequester'd shade;
Adieu all triumphs here!
Adieu the mountain's losty swell,
Adieu, thou little verdant hill,
And seas, and stars, and skies—farewel,
For some remoter sphere!

Perplex'd with doubts, and tortur'd with despair,
Why so dejected at this hopeless sleep?
Nature at last these ruins may repair,
When death's long dream is o'er, and she forgets to weep.
Some real world once more may be assign'd,
Some new-born mansion for th' immortal mind!
Farewel, sweet lake! farewel, surrounding woods!
To other groves through midnight glooms I stray,
Beyond the mountains, and beyond the sloods,
Beyond the Huron bay.
Prepare the hollow tomb, and place me low,
My trusty bow and arrows by my side,
The cheerful bottle, and the ven'son store;
For long the journey is, that I must go,
Without a partner, and without a guide......

He spoke: and bid th' attending mourners weep: Then clos'd his eyes—and sunk to endless sleep.

To scandal.

RNLIV'NER of the vacant hour,
When Sense and Candour lose their pow'r,
Dear Scandal, Envy's darling child,
Of callous heart, yet aspest mild,
But for thy aid how tasseless all
We meek-ones conversation call?
Falesely by man thou'rt said to be
President o'er our harmless tea;
That fav'rite post you now resign,
To reign triumphant o'er his wine.
Sick'ning as sweet, the draught would be,
But for the acid mix'd by thee;
That sharp insusion adds a zest
To ev'ry tale and ev'ry jest. DELIA.

An answer to the riddle in the last Museum's

From the Pennsylvania Magazine.

ATIGU'D, I fat by fire fide: The watchman " past elev'n" had cri'd. I call'd for Betty; yawn'd, and faid: "I'm fleepy--light me up to bed." Suppose me at the toilet plac'd, With cap unpin'd, and stays unlac'd; While Betty, to prevent the spicen, Regales me with the magazine. " See here's a riddle, ma'am-no doubt " But you or I can find it out." She read it o'er and o'er again, I guess'd-she guess'd-but all in vain. And after mighty toil and trav'l, Could not the mystery unrav'l-" Why, Betty, fure I'm very dull." "La! ma'am, I've almost crack'd my scull-"What can it mean?—it is—poh—fiddle. "No, 'tis not that—confound the riddle! "Yes, now I have it, patt a doubt-" Madam, I've found the fecret out-" Here 'tis-the very thing I handle-"'Tis this fame spermaceti candle." EUDOCIA. Philadelphia.

To a man of lively, but unequal spirits in conversation.

FLARING light fatigues and hurts the eye:
In lifeless shade we nothing can desery.
Avoid extremes: an universal rule!
Though rarely understood by any fool.
Incessant laughers weary me: but then,
I tire alike of dull and gloomy men.
Your gloomy men, who frown at harmless glee,
Were never made, my friend, for you or me.
Yet still, 'twere better to be sometimes dull,
Than of smart things to seem for ever full.
A clever fellow:—He, who courts that name,
Of solid sense will scarce insure the same.
Good-humour, ease, and just remark between.
In conversation form the happy mean.

FOREIGN INTELLIGENCE.

St. Petersburg, October 30.

ON Sunday last a messenger arrived here from prince Potemkin, with the news of a victory obtained over the Turks, at an attack which they made upon Kinburn, on the night of the 11th instant, by a detachment of 5000 men, who landed near that fortress from Otschakow: and altho' the garrison was inferior in number, upwards of 4000 Turks were killed or wounded, and the remainder with difficulty escaped to their boats. number of flain and wounded on the fide of the Ruffians did not exceed 400. but feveral officers loft their lives on this occasion, and gen. Suqwarow and Reck, who had the principal command, were dangeroufly wounded.

Upon the arrival of this agreeable intelligence, te Deum was fung in all the churches of this capital, and the cannons were fired from the fortrefs.

Amsterdam, November 16.

We are employed here in accomplishing the reform of our former constitution. A placard has been published, containing the dismission of those officers who were chosen by the burghers; among them is colonel Isaac Van Gendover, 40 captains, 38 lieutenants, and 33 ensigns. They are stiled, "those who were illegally appointed to be officers, since February the 21st, 1787."

Hague, November 21.

The following are fome of the particulars of the news received from Bois le Duc. That place had been hitherto preferved from pillage, while other towns exhibited many scenes of plunder and outrage. But a new garrison having entered, the military, as they had done at other places, were guilty of great excesses, an example the mobsoon began to follow. The riots be-Vol. III. No. II,

gan on the 5th instant, by breaking the windows of several houses—the plunder soon became general—many citizens, merchants as well as others, were robbed of all their gold, silver, moveables, merchandize, dress, plate, &c. This horrid outrage lasted for three days successively. The same riots took place in some towns of Zealand, partly occassoned by the military, and partly by the populace. Zuriczee is almost entirely ruined.

Dec. 19. Their high mightinesses have unanimously resolved to enter into an alliance of the defensive kind with the courts of Berlin and London.

Vienna, November 10.

Preparations for war are in no refpect difcontinued; and it is believed, that our fovereign will immediately

fet out for Hungary.

By the emperor's orders, all the women and children are removed from Semlin; and from numberless circumstances, we are convinced that his imperial majesty is inflexibly determined vigorously to prosecute the war against the Turks.

Dublin, October 11.

The idea of building docks on the western and southern coasts of this kingdom, is said to be a measure of the British minister. We sincerely hope, that the report of an intention to prosecute it to effect, may be founded in fact. It would be of essential service to the general interests of the empire; but in war, particularly, Great-Britain would experience the utility of such an undertaking. There are many parts where there is a depth of water sufficient for the largest ships in the navy.

St. James's, November Z.

His majesty, in council, was this day pleased to declare George, mar-

quis of Buckingham, lieutenant-general and general governor of his ma-jesty's kingdom of Ireland.

London, November 5.

Mr. Pitt fent a letter this forenoon to mr. Newland, director of the bank, to acquaint him, that all preparations for war between France and England, were immediately to ceafe on both

· The state of Utrecht has published an order, requiring all the armed focieties and volunteers of the province, to lay down their arms, cockades and colours, within twenty-five days. Those who refuse, to be pu-

nished.

. A letter from Paris, dated October 25, fays, " Advices from Constantinopla, dated September 22, inform us that the Ottoman court has at prefent 30,000 men near Oczakow, but we do not think much of this numerous army; and at the departure of the courier, we did not hear they had as yet attempted any thing. The French ministry hope, in the course of the winter, to effect a reconciliation between the Porte and Russia.

" France, at this moment, possesses 61,000 failors; in 1778; she had 87,347. She has in the ports of Brest, l'Orient, Rôchesort, and Toulon, one thip of 118 guns, five of 110, fix of 80, twenty-three of 74, two of 64, one of 60, and one of 50; and if we add to those, one of 118 guns, and one of 74 on the stocks, they will

form in the whole 41 ships of the line."
November 17. The largest ship that ever was built for the fervice of the East India company, was launched on Saturday at Blackwall. ship is built on the bottom of the Ceres, and is of the vast burden of 1162 tons, bound to Madeira and China, and is to proceed under the command of captain Price.

Nov. 30. The French King has fent out orders to Bethune, to form a particular legion of the Dutch patriots, who have retired from Holland-and who are to be taken into the immediate pay of France.

The new French council of war have given it as their oppinion, that the army of France ought to be kept full and complete to the number 200,000 men; in confequence of which, the neceffary orders have been iffued for completing that number.

The protestant Swifs cantons have agreed to enter into the Germanic

league.

One good effect arises to the French from their present embarrassiments. The government are turning their eyes towards reformation in every department. Mr. Guibert, who was made fecre ary to the newly inflituted council of war, has given in a plan to the archbishop of Thoulouse, by which a faving will be made of 34 millions in the army, which he nevertheless proposes to increase to the number of 280,000 men, at the fame time that he augments the pay of the foldier.

The tobacco-trade has puzzled the ministry not a little, especially with the instance of fir Robert Walpole, who endeavoured to bring that article under excise, but was not able to accomplish it; nor has it ever been attempted fince that time, which is

now 54 years ago.

Nov. 23. The court of France are feriously become mediator between the Ottoman Porte and Russia, and have invited our court to join them.

An express arrived on Wednesday morning from Vienna, with the news that the emperor had given orders for the immediate march of his troops against the Turks. No formal declaration of war had yet taken place, but it was hourly expected.

Nov. 24. The empress of Russia makes the present war with the Turks wholly a land one, on account of the very extravagant expences that attend her keeping a naval establishment on foot at fo great a distance from any of her own ports. If her arms should, however, receive a check in the Crimea, of any importance, a diversion must of necessity be made on the other fide, which will oblige her to fend a fquadron, and that a powerful one, into the Mediterranean.

Nov. 27. On Thursday, information was received by the minister, that the French had iffued orders for difarming, and that feveral of their ships were difmantled. In confequence of this, expresses were fent on Friday last, to Portsmouth and the other ports, to difarm, which will begin to be done

immediately.
Nov. 29. The last letters from Virginia brought over great remittances to the merchants here, and likewife orders for as much goods as will load ten ships, which are to be got ready immediately, in order that the ships may fail before Christmas.

Extract of a letter from Versailles, dated November 23.

"It having been determined in council, on Sunday night, that the king should meet his parliament the next day, his majesty set out from Versailles, at eight o'clock on Monday, and arrived at the palais in Paris about nine, when the peers, prefidents of parliament, and counfellors of state, attended to receive him. His majesty carried with him two edicts to be registered; the one for a new loan, the other for the re-establishment of protestants in all their ancient civil rights.

" Permission having been announced to the affembly, that every member should deliver his fentiments without restraint, a debate ensued, warm-ly supported in its savour, and against it, which lafted till fix o'clock in the evening; when his majesty, observing the general opinion was registering the edict, tired with the debate, and pressed by hunger, he rose and ordered it to be registered. The duke of Or-

leans arose, and protested against the proceedings of that day. His majesty, astonished, repeated his orders, and left the affembly, and arrived about feven o'clock at Verfailles to break-

" Tuefday, the duke of Orleans was exiled to his feat at Ville Cottarel. and the abbe Sabatier and another member of parliament sent to prison; the first to Mont St. Michael in Normandy, the fecond to Hamp, in Pi-

" On Wednesday, the parliament waited on his majesty at Versailles, to acquaint him that the refolution entered on their books on Monday, was

expunged."

Nov. 30. On the 22d instant, the ·king of France banished another prince of the blood (besides the duke of Orleans;), but it is not certainly known who he is. Some advices fay, it is the prince de Bourbon, and others fav, it is the prince de Conde: His majesty has also banished fix of the presidents. These violent measures have raised such a ferment, and fuch a spirit in the parliament of Paris, that they have absolutely refused to resume their functions, until the banished members are restored. The contention between the parliament and the king is now at iffue.

Dec. 6. Last Saturday's gazette revokes the late proclamation, requiring the immediate return of half-pay officers engaged in foreign ferviceand extends their continuance abroad to their former leave of absence, granted before the late appearance of hostilities between France and this country.

The flave trade, fo long a difgrace to every civilized people concerned in it, is likely to become a subject of parliamentary investigation; and we hope, from the enlightened characters who have taken the matter up, that the conclusion of it will be fuch, (either by a total stop being put to it, or, if that should be found impolitic, by an effectual remedy of its prefent inhuman practices) as must reflect honour to the nation, and to the party

who may bring it forward.

A letter from Paris, dated Nov. 29, fays, "a deputation from parliament waited on his majefty, on Tuesday last, with a fresh petition in behalf of the duke of Orleans and messieurs Sabatier and Fretot. The king's answer was as laconic as the first. In regard to the duke he had nothing to add; and for the two counsellors, one was gone to the place of his destination (Fretot to Orleans) and the other might be conveyed to a more healthy and not so distant a place as Fort St. Michael, on account of his dangerous situation; l'abbe Sabatier is extremely ill."

Dec. 15. A letter from Paris, dated December 9, fays, "the parliament of Paris met on Friday, to deliberate on his majesty's edict, for the establishment of protestants in this kingdom: after sitting until near fix o'clock in the evening, the affair was referred to a committee, who are to make their report on the good or bad essectively which may arise from this edict. Some further representations were agreed to be made to the king, on the exile of the duke of Orleans, and the imprisonment of the two members of parliament."

Dec. 16. The king of France has

ordered 200,000 livres to be issued for the relief of the Dutch patriots, who have been obliged to fly their country.

Dec. 21. The treaty of alliance between England, Holland and Pruffia is in great forwardness; on which subject, fir James Harris has lately held frequent conferences with the states-general; and from his abilities, there is little doubt but to the honour and advantage of this country.

A letter from Rome, dated Dec. 5, fays, "the barbarian pirates have commenced a very ferious attack on the trade and commerce of the ecclefialtical state; the fovereign pontiff, at

the desire of some of the principal merchants, has ordered to fit out four more frigates, La Caserta of 26, Il Roma of 24, La Prudente of 24, and La Sybille of 20 guns, to protect the coast and the trade, which these invaders seem bent on destroying, if possible. The corfairs of Tunis and Algiers have already done much mischief, which it has become highly necessary to prevent in future."

Dr. Inglis, now bishop of Canada, hath actually put in his claim for the 2001. left by the benevolent Martin Benson, to the first bishop that should be sent to and settled in North A.

merica.

Mr. Hastings's trial at the bar of the house of lords, will certainly commence early in the month of February next,

Paris, December 16.

All the French merchants and manufacturers bitterly complain of the fatal effects of the commercial treaty with England, whereby our trade is totally ruined, while that of Britain is in a flourishing condition. It is impossible that peace can be of a long continuance from an infinity of reafons. Besides this disastrous treaty for France, the troubles in Hollanc appear likely to produce the most serious consequences.

AMERICAN INTELLIGENCE.

Augusta, January 5.

E have the pleasure to announce to the public, that on Wednesday last the convention of this state unanimously ratisfied the federal constitution in the words following, viz.

State of Georgia.—In convention. Wednesday, January 2, 1788.

WE, the delegates of the people of the state of Georgia, in convention met, have taken into our serious con-

fideration the federal constitution, agreed upon and proposed by the deputies of the united states in general convention, held in the city of Philadelphia, on the feventeenth day of September, in the year of our Lord one thousand seven hundred and eighty seven, have affented to, ratified, and adopted, and by these presents do, in virtue of the powers and authority to us given by the people of the faid state, for that purpose, for and in behalf of ourselves and constituents, fully and entirely affent to, ratify, and adopt the faid constitution, which is hereunto annexed, under the great feal of the faid state.

DONE in convention, at Augusta, in the faid state, on the fecond day of January, in the year of our Lord one thousand seven hundred and eighty-eight, and of the independence of the united states the twelfth.

Charleston, (S. C.) January 16.

Extract from the minutes of the house of senate, January 14, 1788.

Refolved unanimoufly, That the thanks of this house be given to the delegates of this state, in the convention holden last year, in the city of Philadelphia, for their great attention to, and faithful discharge of, the du-

ties of their appointment.

Last Friday, in the house of reprefentatives, mr. Rutledge, as chairman of a committee appointed to consider the governor's message, reported, that they had deliberated upon the new sederal constitution, and were unanimously of opinion to recommend that the house should come to a resolution for calling a convention of the people, to consider the same.

Jan. 17. Yesterday, the house of representatives, in a committee of the whole, debated on the sederal constitution till sour o'clock. Mr. Loundes acod alone in disapprobation of it.

Boston, January 24.

On Friday last, the convention voted, that the following question be put to the honourable E. Gerry, esq, viz. "why, in the last requisition of congress, the portion required of this state, was thirteen times as much as of Georgia, and yet we have but eight representatives in the general government, and Georgia has three?" and requested him to put his answer in writing.

The next day, the honourable mr. Gerry answered the above question, as

follows, viz.

Saturday morning, 19th Jan.

SIR

"I have no documents in Boston, and am uncertain whether I have any at home, to affift me in answering the question, " why, in the last requisition of congress, the portion required of this state, was thirteen times as much as of Georgia, and yet we have but eight representatives in the general government, and Georgia has three?" but if my memory ferves me, the reafon affigned, by the committee who made the appointment, for giving fuch a number to Georgia, was, that that ftate had of late greatly increased her numbers by migration—and if not then, would foon be entitled to the proportion assigned her. I think it was also said the apportionment was made, not by any fixed principle, but by a compromise. These reasons not being fatisfactory, a motion was made, on the part of Massachusetts, for increasing her number of representatives, but it did not take effect.

I have the honour to be, &c.

E. GERRY.

Hon. mr. Cushing, vice-president of the convention.

Pittsburgh, February 2.

By a gentleman who arrived here on Wednesday, from Sandusky, we are informed, that the Indians are determined to oppose the settlement of the country west of the Ohio. This gentleman surther informs us, that their attendance on the treaty to be held next spring, will, in a great measure, depend on the persons sent to them: as, without the greatest attention being paid to them, their principal chiefs will not attend.

Feb. 9. The messengers appointed to invite the different tribes of Indians to the treaty that is to be held in May next, will fet out in a sew days for

that purpose.

Wilmington, February 6.

At a meeting of justices, at Clowe's tavern, in the county of Sussex, on the 2d inst. after business was over, a riot arose between the parties called whigs and tories, which continued for some time with great violence, with fists and cudgels. We are forry to hear that such occurrences are exceedingly frequent in that county.

New-York.

Feb. 7. By the latest advices from the Bay of Honduras, we learn that the settlements have been visited by a dreadful mortality; which, fince the late hurricane, has carried off upwards of fifty white people, and a much

greater number of negroes.

On the 6th ult. two men, named Rogers and Queeling, and a lad named Bennet, were killed and fealped by a party of 13 or 14 Indians, in Midway fettlement, about 12 miles on the other fide of Great Ogechee ferry. Georgia; the horses on which the two men rode, were also shot dead, and two negro boys are missing, supposed to be carried off by the savages.

It has been judged, that the weather on Tucfday was as fevere as the cold day about fourteen years fince; in the course of forty-eight hours the Northriver froze so hard that a number of persons yesterday walked almost over

upon the ice.

Philadelphia, February 7.

The legislature of North-Carolina at their late feffion, have refolved una nimously, "that the citizens of tha flate and the united flates, have a ful and indisputable claim to the naviga tion of the river Mississippi, as well by the clear and express stipulations o treaties, as by the great law of nature.' I hey also resolved, at the same time " that the delegates of that state be in structed to move in congress for a ful and explicit declaration, that the righ which the united states, and each o them, have to the navigation of the Mississippi, is absolute and inalienable in order that the apprehensions and fears of their fellow citizens on tha fubject, might be entirely removed."

A letter from New-Orleans, dater November 7, 1787, favs, "I have often mentioned the rapid increase of this country, and the happy govern ment we enjoy. Hardly a packet ar rives from Spain but what brings fom fresh encouragement. Fine lands are graciously granted to new settlers, and their produce is taken by government paying a handsome price in hard dol

lars.

"A report is now confidently talk ed of, which, from the generous fen timents of a certain public character who reprefents us in New-York, peo

ple in general believe.

"You, however, who still enter tain strange prejudices of us, will hard ly give credit to it, but I venture to assure you, that a toleration of al persuasions will soon take place will good behaviour will be expected by our liberal king.

"We well know the regard paid in Madrid to the opinion of the character alluded to, and we flatter ourselves that he will fix upon such measure with the united states, as will make the two countries happy through a valuable commercial connexion, which

vill undoubtedly make both respecta-

le to all others."

Feb. 16. A letter from a gentleman n Boston, dated February 8, fays, 'I have the pleasure to inform you, hat our convention this day ratisfied he constitution, by a majority of 187 gainst 169. The minority are mocrate; and say they will with alacri-

y fupport the government."

Feb. 13. Tuesday the 5th inst. in his city, the thermometer sell to 6 egrees below 0, that is, 38 degrees elow the freezing point. This is a egree of cold seldom met with so far 3 the southward as Philadelphia. Peraps a more sudden change was never nown in this or any other country; or the day before it stood at 6 degrees bove freezing. Hence it must have the degrees in the space of 17 ours—an extraordinary phenomenon adeed!

Feb. 19. A letter from London, ated Dec. 19, fays, "I have this ay received a letter from the conful t Algiers, fent me from the fecretary f state, informing that Zaccheus Cofn, who was taken in his passage from Dunkirk to Philadelphia, by an Alerine cruifer, died at Algiers, the 2d f last month, of a decay of his lungs. t appears, by the account received. hat he was taken as good care of, as ould be expected in that country. erhaps fome information of this ught to be made public, as the conul has been improperly treated in fome f your papers, when I have good eafon to conclude, he has been kind o fuch Americans as have had the mifortune to fall into their hands."

Feb. 27. A motion was lately made nd feconded in the house of repreentatives of South-Carolina, that leave given to bring in a bill to authoize the importation of negroes. On the question being put to agree to the fame, it passed in the negative.

MARRIAGES.

MARYLAND:

In Baltimore, John Coulter, esquire, to miss Polly M'Caskey.

RHODE-ISLAND:

At Providence, mr. John Francis, late of Philadelphia, to mifs Abbey Brown.

NEW-YORK CITY:

Mr. John Wood, to miss Betsey Simmons.

DEATHS.

ENGLAND:

The right reverend father in God, Richard Lowth, lord bishop of London.

VIRGINIA:

At Chefterfield, mrs. Tucker, confort of St. George Tucker, efquire. In Prince-Edward county, mr. Peter Johnston. Near Williamsburg, mrs. Susanna Shields, confort of major James Shields. In Richmond, hon. Bolling Starke, efquire.

MASSACHUSETTS:

In Boston, Benjamin Lincoln, esq. fon of general Lincoln. Dr. Adams, son of the hon. Samuel Adams, esquire.

Mrs. Saidler, confort of mr. James Saidler.

MARYLAND: In Baltimore, mr. James Hayes.

PENNSYLVANIA:

In Philadelphia, mr. Edward Few, of Southwark. In Reading, mrs. Rebecca Broadhead, confort of general Broadhead.

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THE

AMERICAN MUSEUM:

OR

REPOSITORY

OF ANCIENT AND MODERN

FUGITIVE PIECES, &c,

PROSE AND POETICAL.

For M A R C H, 1788.

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..... "Collecta revirescunt."

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M,DCC.LXXXLX.



THE

AMERICAN MUSEUM,

For MARCH, 1788.

Observations upon an hypothesis for folving the phenomena of light: with incidental observations, tending to shew the heterogeneousness of light, and of the electric stuid, by their intermixture, or union, with each other. Communicated to the American academy of arts and sciences, by fames Bowdoin, esq. president of said academy, and late governor of the state of Massachusetts.

IN reviewing some letters I had written to a philosophical striend, dr. Franklin, there occurred, on the subject of one of them, some observations, which appeared to me new. They are principally contained in the two last of three memoirs, which I shall lay before the academy: to whose judgment it will be submitted, whether they have any thing beside their novelty to recommend them.

As they were occasioned by confidering dr. Franklin's queries concerning light, the strictures on those queries, as being introductory to the observations, will make a part

of these memoirs.

The first memoir will accordingly contain a few strictures, or curfory remarks, on his hypothesis for folving the phenomena of light: with incidental observations concerning the heterogeneousness of light, and the electric fluid.

It is offered in full confidence, that our celebrated countryman, whose happy genius has contributed so largely to the advancement of philosophic knowledge, will be pleased with any attempt for that purpose, whether successful or not, even though it should be upon principles, that may not persectly harmonize with some of his own.

The doctor, diffatisfied with the received doctrine concerning light, offers feveral objections to it, in the form of queries; and, in the fame form, proposes an hypothesis of his own: both of which will be con-

fidered.

With respect to the hypothesis, it is asked—*" May not all the phenomena of light, be more conveniently solved, by supposing universal space filled with a subtle elastic sluid, which, when at rest, is not visible, but whose vibrations affect that sine sense field in the eye, as those of air do the grosser organs of the ear? We do not, in the case of sound, imagine that any sonorous particles are thrown off from a bell, for instance, and sy in strait lines to the ear: why must we believe that luminous particles

NOTE.

* See letters and papers on philofophical subjects, page 265. edit. 1769. leave the fun, and proceed to the eye? Some diamonds, if rubbed, shine in the dark without losing any part of their matter. I can inake an electrical spark as big as the flame of a candle, much brighter, and therefore visible further; yet this is without fuel: and I am perfuaded no part of the electric fluid flies off in such case to distant places, but all goes directly, and is to be found in the place to which I destine it. May not different degrees of the vibration of the above-mentioned universal medium, occasion the appearances of different colours? I think the electric fluid is always the fame; yet I find that weaker and stronger sparks differ in apparent colour: fome white, blue, purple, red; -the strongest white; weak ones, red."

Several objections here prefent themselves. Some of them arising from the hypothesis itself; and others from the comparison of light with

found.

In respect of the former, if universal space be filled with a subtle elastic fluid, (so as to exclude any vacuum) that fluid must always be at rest, and therefore, by the hypothesis, always invisible; and confequently there would always be universal darkness. Or if any port of the fluid could be put in motion, the whole of it must be in motion: for not one particle of it could move, without moving, in the direction of its motion, the adjoining one, and this the next; and so on, ad infinitum. In this case, the least motion, wherever it might commence, mult produce univerfal motion; and consequently, universal light; between which and universal darkness, there could be no medium.

But if the meaning of the expreffion be, what it was probably intended to be, that universal space, instead of being filled, doth greatly abound, with an elastic sluid, then

would not every thing, which difturbed that fluid, cause a luminous appearance? Would not the inhabitants of the fea and air, in all their motions, befpangle both; and thereby exhibit the various colours according to the different degrees of vibration, which those motions might occasion in the elastic fluid? As to ourselves. would not a radiance attend us wherever we went? What occasion should we have of candle-light, when a quick vibration of the hand, or of machines made for that purpole, would dispel the night? Or rather, might we not suppose there would be no night at all? for the action of the fun (if the fun should be necesfary) would be communicated to us. notwithstanding the interpolition of the earth. And would not the effect of that action, even at moon, when most direct, be only to enlighten us, unattended with heat, fo effentially necessary to enliven and invigorate the animal and vegetable world?— Would not the elastic fluid, instead of exhibiting a round luminous body, which we call the fun, be itfelf a continued univerfal blaze of light? And would not this, in the prefent conflitution of things, obstruct vision, and totally alter the science of optics?

The objections, implied in the foregoing queries, feem deducible from the hypothesis. There are feveral, which appear to arise from the comparison of light with sound.

1st. As found (or a vibrating, or undulating motion in the air, which I confider here as fynonimous) is propagated from the fonorous body in all directions—and furrounds, and is propagated beyond or behind any obstacle in its way; so light, if it was a vibration, or undulation, of the elastic shuid, would furround, and be propagated behind an obstacle, like found: but this does not agree with the fact. 2dly. As found or the vibrating motion in the air, origina-

ting in a house, or any other enclosure, would, from a hole in one of the fides of it, be propagated externally, in circles, of which the hole would be the centre: fo light, if it was a vibration, or occasioned by a vibration, of the elastic sluid, after passing through a hole, would be propagated in circles, of which he hole would be the centre. But his does not correspond to the fact: or light, in passing through any misorm medium, always passes in

ight lines.

Beside these, an objection similar o one of those, which have been adanced against the common hypohesis, and which may be seen in the proper place, may be alleged against his; for the constant vibration, with which the elastic fluid must be agiated, would communicate to fmall odies, and even to large ones fufended in that fluid, a constant trenulous, vibratory motion. In fuch case, it would be difficult to exmine the texture and visible qualiies of those small bodies, as one neeflary mean of examination, a great leal of light, would increase the ibration; and thereby render the examination not only difficult, but mpracticable. It is apprehended, lowever, that no fuch motion, or embarraffment, in the making of uch examinations, has ever been oberved.

What is mentioned about the electrical spark, that it is bright, and iffible at a distance, and this without such and that no part of the electrical sluid slies off, to such case, o distant places, but all goes directly, and is to be found in the place, o which it is destined, appears to avour the hypothesis; as the implied inference seems to be, that the issuit of the electric spark arises rom the vibration it produces in the niversal elastic sluid. But if the oregoing squeries surnish sufficient

reason for doubting the existence of fuch a sluid, or for doubting such an effect from it, supposing its existence, will they not furnish equal reason for

doubting the hypothelis?

The visibility of the electric spark may be accounted for, upon the principles of the received doctrine concerning light, without supposing any diminution of the pure electric sluid in the spark: no part of which, it is said, slies off in the case mentioned.

It feems not improbable, that the electric fluid is heterogeneous as well

as light.

The heterogeneousness of light is inferred from its colours, which are said to vary proportionably, as the fize of the particles doth vary: the variation becoming conspicuous by a prisin, and by other means, which class the particles according to their respective magnitudes, or degrees of restrangibility and reslexibility.

Befide this, another reason may be suggested, from which the heterogeneousness of light may be deduced; namely, because it exhibits effects similar to some of those of electricity. For example, a globe or pane of glass warmed in the sun, or before a fire, will successively attract and reper small cork balls, down, and such like bodies insulated, and properly circumstanced; and will shew other signs of electricity communicated to the glass by the sun or sire.

So, in regard to electricity, its heterogeneousness may be collected from its producing effects resembling some of those of light or fire; which are here considered as equivalent

terms.

Electricity and fire differ in mary respects, and in some they agree; as hath been shewn in dr. Franklin's letters on electricity. So far as they agree in their effects, their nature may be presumed to be alike; or rather, from that agreement and fimilitude of effects, I think it may be inferred, that they are mixed with, and generally do accompany each other: and that each produces its own effect at the time of their joint operation. The effects of electricity, fimilar to those of fire, being produced by the fire mixed with it; and the effects of fire, resembling those of electricity being produced by the electricity mixed with that: the compound taking its name from the predominant principle.

Thus, fire inflames bodies, and throws its particles or light at a diftance. Hence the explosion of gunpowder, and the luminous appearance, occasioned by the electric foark: the fire mixed with it pro-

ducing those effects.

Thus also, electricity attracts and repels certain small bodies alternately, under given circumstances. Hence, the alternate attraction and repulsion of glass, and some other things, heated by sire: the electricity mixed with the communicated fire

producing those effects.

In this way, I would infer the heterogeneousness of light and electricity, and their mixture with each other; and in this way, account for the similitude and difference of their efects; and for the luminous appearance or visibility of the electric spark in particular, without diminishing the pure electric sluid contained in it: all of which, in the case referred to, is said to go directly, and is to be found in the place, to which it was destined.

On the fame principles, the fhining of diamonds in the dark, when rubbed, and thereby electrified, may be accounted for, without supposing they lose any part of their matter.

In regard to the different colours of the electric spark, which are more or less strong according to the strength of the spark, they correspond to the different colours of light or sire; which are more or less vivid according to the density or intensenses of that element. This sameness of effect shews a sameness of cause, of that the light or sire mixed with the electric spark produces those colours whose strength or vividness being according to the bigness of the spark or to its quantity of electric shuid makes it probable, than in proportion to the quantity, there is mor or less light or sire contained in tha shuid.

Those different appearances seer to be a further instance or proof of the heterogeneousness of the electrifluid; and, taken in connexio with other appearances above-mentioned, shew the intermixture, and the consequent heterogeneousness, of the two elements.

The next thing to be considered, is the objection to the received doctrin concerning light. But this will be the subject of another memoir.

Observations on light, and the waste matter in the sun and fixed stars, occupioned by the constant efflux of light from them: with a conjecture proposed by way of query, and suggesting a mean, by which their jureal systems might be preserved from the disorder and final ruin, to which they seem liable by that waste matter, and by the law of gravitation. Communicated to the America academy of arts and sciences, b James Bowdoin, esq. president of sa academy, and late governor of the state of Massachusetts.

Having in a preceding memo laid before the academy the observations that occurred on the subject of dr. Franklin's hypother relative to light, I shall now conside his objections to the received doctrine concerning it.

The objections will appear by the

ollowing paragraph taken from one f his letters on philosophical sub-

ects.

"I must own, fays the doctor", am much in the dark about light. am not fatisfied with the doctrine, hat supposes particles of matter calld light, continually driven off from he fun's furface, with a fwiftness o prodigious! Must not the smalat particle conceivable, have, with ich a motion, a force exceeding hat of a twenty-four pounder, difharged from a cannon? Must not he fun diminish exceedingly by uch a waste of matter, and the plaets, instead of drawing nearer to im, as fome have feared, recede to reater distances through the lessend attraction? Yet these particles, vith this amazing motion, will lot drive before them, or remove, he least and lightest dust they meet vith: and the fun, for aught we tnow, continues of his ancient limenfions; and his attendants nove in their ancient orbits."

The doctor's diffatisfaction with he received doctrine, is founded on two objections implied in his queries, and which may be expressed in the following propositi-

1st. That supposing the doctrine true, the smallest particle of light must be driven to us with prodigious force, a force exceeding that of a twenty-four pounder, discharged from a cannon. But this is contrary to fact.

2dly. That the fun must be exceedingly diminished by such a waste of matter; and the planets, in confequence of it, must recede to greater distances from him. But, for aught we know, both the fun and the

NOTE.

* See letters and papers on philosophical subjects, page 264. edit. 1769.

planets, continue in their ancient itate.

From these propositions it is implicitly inferred, that the doctrine is not well founded.

Among the observations on the fecond proposition, an hypothesis will be proposed, by way of query, suggesting a mean, whereby the material fystem, collectively taken, might be preserved from the diforder and ruin, to which they feem liable from causes hinted at in that

proposition.

In regard to the objection contained in the first proposition, it adopts the idea, that light, like any other body in motion, will strike with a force proportioned to the degree of its motion: which degree of motion, or the celerity, multiplied by the quantity of matter in the hody, will, in the refult, express its force or momentum.

If, then, we can suppose the quantity of matter in a particle of light to be, not indeed absolutely, but comparatively, o, its momentum will also be comparatively o; and it can have, in that case, no visible effect on the smallest particle of dust. to remove it.

Let us now confider what reason there is for fuch a supposition. order to that, I beg leave to introduce here, a paragraph, from one of my letters to dr. Franklin, printed with his letters and papers on philosophical subjects. It runs thus*. "The flame of a candle, it is faid, may be feen four miles round. light, diffused through this circle of eight miles diameter, was contained, before it left the candle, within a circle of half an inch diameter. the denfity of light, in these circumstances, be as those circles to each other, that is, as the squares of their

NOTE.

^{*} Letters, &c. p. 275.

diameters (or, which is equivalent, if the density decreases as the square of the diffance or femi-diameter increafes, the candle-light, when come to the eye, will be 1,027,709,337,600 times rarer than when it first quitted the half-inch circle. Now the aperture of the eye, through which the light passes, does not exceed one tenth of an inch diameter, and the portion of the less eircle, which corresponds to this fmall portion of the greater circle, must be proportionably, that is, 1,027,709,337,600 times less than one-tenth of an inch: and yet this infinitely fmall point (if you will allow the expression) affords light enough to make it visible: or rather affords light fusicient to affect the fight at that distance."

If the calculation, referred to in that paragraph, be just-and we should suppose a single particle of light, though incomparably fmaller, to be in bigness equal to that point-I would ask whether the quantity of matter in fuch a particle would not be fmall in a greater degree than its velocity, equal to that of the fun's light, would be great? If fo, a particle of light in motion, agreeably to the foregoing suppofition, may be here estimated o, and its momentum not sufficient to remove the lightest dust; much less to do as much execution as a twenty-four pounder, discharged from a

It is impossible to calculate the momentum, where the requisite data cannot be had: but supposing the candle-slame equal in bulk to a sphere of half an inch diameter, and to weigh as much as an equal bulk of air, viz. about one thirtieth part of a grain; though in fact its gravity is incomputably less than that of air: then

cannon.

the fquare aforefaid will express the proportion, in which the density of the candle-light is diminished at the

verge of the greater circle: and the fame proportion of one thirtieth of a grain will express the weight of that light at the verge, viz. one 30,831,280,128,000th part of a grain; which we will confider as the weight of a fingle particle of the fun's light. If the velocity of light he at the rate of 80,000.00c miles in fix minutes, then its velocity will be 222,222 miles, equal to 14,079,985,920 inches, in a second. This number of inches, divided by 30,831,280,128,000. the supposed particles in a grain, will shew the degree of motion required in a body weighing one grain, to give it a momentum, equal to that of a particle of light, upon the hypothesis assumed: which motion will be 456 millionth parts of an inch in a fecond, equal to one inch in 2100 feconds. or thirty fix minutes and an half; and is much flower than the hourhand of a common clock; which, with its greater degree of motion, and much greater quantity of matter, does not give to the smallest bodies, placed in its way, any visible motion.

Precision in this calculation is not aimed at, and the nature of the subject does not admit of it: but it is apprehended it will appear sufficiently evident from it, that light, even if its velocity were much greater than it is, and its gravity equal to that of air, to which, with great disadvantage to the argument, it has been, in that respect, compared, cannot drive before it the lightest dust, or, indeed, give it any sensible motion at all.

To the same purpose it may be further observed, that light resected to the eye through a microscope and prism, would, it is apprehended, exhibit the same variety of colours, as light coming directly from the sun. In which case, the ray so viewed, (like the candle-ray, which has been

confidered as a fingle particle only) must be composed of a multitude of particles; and be a proof, that the particles of light are inconceivably fmaller than the calculation supposes. This degree of fmallness, however, represents them to be of great magnitude, compared with their real fize: for, when we confider, that the fun's light is diffused through the whole folar fystem, and much beyoud it-and that a part of it, in that attenuated state, is reflected to us from the planets, in which reflection it undergoes, by its divergence, a further, and an extreme, attenuation- and especially, when we consider the immense sphere, throughout which the light of the fixed stars is visible, particularly those of them, whose distance is so vast, that, at opposite points of the earth's orbit, they have no fenfible parallax—the divisibility of light, and the proportionable tenuity of its particles, confound the imagination; and render human calculation inadequate to express the precise degree of them, or the inconfiderableness of the momentum of those particles.

This inadequateness is particularly applicable to the foregoing calculation: which was purposely made on the difadvantageous principles assumed in it, to shew, that even on such principles, the momentum of light could produce no visible motion in the smallest bodies, that fall under our notice. But had the calculation been founded on the state of the fun's light, reflected from one of the planets, for instance, the Georgium Sidus, lately discovered by mr. Herschell, the result would have been widely different; and we should, in that case, have had a juster idea of the momentum. The light reflected to the earth from that planet, whose mean distance from the sun is said to be 2,000,000,000 miles, is fo extremely attenuated, that the momen-

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tum of a particle of it, transferred to a body, weighing a millionth part of a grain, would communicate to it fo small a degree of motion, that it would require millions of ages for that body to move the diminutive part of an inch mentioned in that calculation.

If these observations be just, it is apprehended they shew, with some degree of evidence, that a particle of light, notwithstanding its prodigious velocity, cannot, by its impulse, remove other bodies, or displace even the finest microscopic dust; and that the doctrine objected to, may be true, notwithstanding the first of the two objections, which have been made to it.

The second proposition, containing the other objection, is, that in case there are particles of matter, called light, continually driven off from the sun's surface, the sun must be exceedingly diminished by such a waste of matter; and the planets, in consequence of it, must recede to greater distances from him, through the lessened attraction.

Here I beg leave to observe, that if the material system, in its present form, was not intended by its Creator to be perpetual, then the waste of the sun's matter, and the consequent disorder in the system, arising from the altered state of its gravitation, will only be a proof of that intention: and not operate against the truth of the doctrine.

That fystem, like every other, derived from the same original, doubt-less has within itself the means of continuing in its present form, until the great and wise purposes of its author shall be brought into effect, and completely answered.

With respect to the solar system, fo far as its continuance depends on the sun, it seems calculated, not-withstanding the supposed waste of the sun's matter, to last for many

В

ages; for the fun, by reason of its prodigious bulk, and the divisibility of its matter, must, from its own internal fources, furnish light to the fystem, through a long tract of time, without being fenfibly diminished. If those eccentric bodies, called comets, which have been thought intended to recruit the fun's waste of matter, do in fact answer that purpose, provision is then made for the preservation of the system, at least until those bodies shall have all successively fallen into the fun, and been expended. When that shall happen, if there be provided no further means of recruit, the fystem will begin to decay, and finally be reduced to a chaotic state: from which, like our earth, it may be restored in some new form, to answer the further purposes of the Creator. I mention our earth, as in the Mosaic account of it, its original is described in such a manner, as to give us the idea of its having been an old planet, by fome means or other reduced to a chaos: from which it was renovated, and made suitable for the purposes, to which it has been applied.

There is nothing unreasonable, or improbable, in that idea: and if the earth was so renovated, it may be inferred from analogy, that in case the present system should go to decay, a new one, and perhaps a superior one, would arise from its

ruins.

These observations are founded on the idea of the waste of the sun's matter, and its final dissolution, with that of the system depending upon it: whether gradually occasioned by that waste of matter, or more rapidly brought on by the general law of gravitation. In this view of things, the objection does not militate with the doctrine.

But perhaps it may be thought more philosophical, and that it would better comport with our ideas of the wisdom of the Creator, to suppose, that when he created the system, he intended it should be a permanent one; and at the same time surnished it with the means of its own preservation. In which case, may it not be further supposed, particularly with regard to the essue of light from the sun, by which its matter is conceived to be wasted, that he provided means whereby the essue of their essues after answering the purpose of their essues, should be returned to the sun, to answer again, in a constant succession, the same purpose?

I do not know, whether the hypothesis, suggested in the following queries, and relative to that subject, be admissible, or not. It is however

offered for confideration.

It was primarily and specially intended to suggest a mean for preventing the ruin, to which the material system seems liable, from the general principle of gravitation: but the same mean may possibly be applied to restore to the sun, in a regular succession, its effluent light; and thereby obviate the evil effects that might otherwise follow from the efflux.

Is it not conceivable, that round the folar fystem, and the several syftems, which compose the visible heavens, there might have been formed a hollow sphere, or orb, made of matter, sui generis, or of matter like that of the planets, and furrounding the whole; having its inner or concave surface at a proper distance therefrom; beyond which furface light could not pass, and between which, and the particles of light, there should be a mutual repulsion? And might not the fun, or fource of light, of each fystem, have been so placed, in respect of each other, and the concave furface of the furrounding orb, that there should be, by direct and repeatedly indirect reflexions, an interchange of rays between them, in fuch a manner, as that to each there should be restored the quantity it had emitted; and thereby the waste of its matter he prevented; and this at the same time it dispensed its light to its particular system?

This use of such an orb is here meant to be considered as a secondary or incidental one; to which it might be applied: but the principal or primary use of it, as a counterbalance to the gravitating principle of the systems contained within it, will

be feen in its proper place.

There is a remarkable phenomenon in the folar fystem, to which the ideal one, just mentioned, bears fome refemblance, and by which it was fuggested: I mean the ring or arch, which furrounds the planet Saturn. We are told by aftronomers that its width, and also its distance from Saturn, is about 25,000 miles -forming around that planet a beautiful arch, which may be defigned, among other purposes, to increase its light and heat by reflecting upon it, like a concave mirror, the fun's rays: of which, by reason of its great distance from the fun, it would not otherwise have had a sufficient quantity.

If Saturn were a luminous body, per se, and the arch, (made of suitable matter, and properly constructed, for the purpose) entirely environed it, the whole quantity of light emitted from it, would be reflected back; and no waste of its matter arise from that emission. The same kind of hollow sphere or orb, surrounding, for instance, the solar fystem, would answer the same purpose. Its fun being in the centre of the orb, would have all its light reverberated back to it: except the comparatively fmall quantity intercepted by the planets: a great part of which quantity would, by direct, and indirect reflexions, be returned to the fun; and a quantity equal to the remainder, by means of volcanoes, and other internal fires in the planets, might be thrown off from them, and conveyed to the fun; whereby the equilibrium of the whole might be preferved.

Such an orb for a fingle fystem appears simple and plain; and such an one for the whole choir of systems, though seemingly more complicated, might yet appear equally suitable for the purpose, when its structure, and the laws and principles which governed it, and also the situation of the several systems relative to it, and to each other, should become known.

Its stupendous extension would be no objection to the supposition of its reality: for if the convenience and pleasure of the inhabitants of Saturn were a sufficient reason for furnishing that planet with its masfy ring, the preservation of such a choir of systems, with the astonishing multitudes of their inhabitants, would justify and sufficiently support the supposition of such an orb: especially, when it is considered. that besides answering the grand purpose of preserving those systems, it might, perhaps, like Saturn's ring, be provided on both fides of it, with ample means of making it a fuitable place for habitationthe habitation of myriads of millions of animate beings, equal or fuperior to those, which people our planetary fystem.

Beyond that orb, at proper diftances, it is conceivable, there might be other concentric orbs, equally fuitable for habitation, and alike inhabited: including within them innumerable fystems of planets, resembling the solar system, and like that animated, and adorning the infinite

expanse.

To this hypothesis, objections may be made, and such as might prove it to be, like many a one which has preceded it, a mere philosophical reverie. But before it be ranked in that class, I would ask, whether, if there be no such orb, nor any thing to answer a like purpose, the law of gravitation, that universal law, on which the philosophy of the immortal Newton is founded—by which, with such admirable sagacity, he has explained the phenomena of material nature—and on which he makes its preservation depend, will not finally bring on its dissolution? Or rather, whether the operation of that law would not long ago have

brought it on? The fun of our planatery system, and the funs (called fixed flars) of other fystems, and therefore the fystems themselves, do probably, according to astronomical obfervations, possess the same relative place; or are, in respect of each But how are the exother, fixed. terior fystems (supposing the whole not boundless) prevented from approaching towards the common centre of gravity: from which, if they have no revolution round it, (which the like observations make probable) they cannot be kept by a projectile or centrifugal force? Must they not constantly by that law be drawn, with an accelerating motion, towards that centre; and finally, with the whole choir of fystems, directed by that law, arrive at it with fucceffive tremendous crashes, until the destruction of the whole would be completed? and could any thing, but the interpolition of the power which created them, prevent it*?

NOTE.

* Mr. Whiston observes, " It is by no means impossible, that all the bodies in the universe should approach to one another, and at last unite in the common centre of gravity of the entire system: nay from the uniIf fuch a cataftrophe would be the effect of that law, would it not demonstrate the wisdom and foresight of the Creator, to suppose, he provided the means of counteracting that effect, at the same time he ordained the law? And among the possible means of doing it, is it not conceivable, that a hollow sphere, or orb, analogous to that above described, might be one?

It has been fuggested in what way fuch an orb might prevent the gradual waste and decay of the material system. Let us now see, whether it might not be applied to prevent the swifter and more dreadful catastrophe, to which the law of gravitation, in certain circumstances, seems capable of subjecting that systems.

tem.

The described orb, like every other body, would possess the gravitating principle, in proportion to its quantity of matter: which, in different parts of the orb, might be more or less dense, as the effect, intended to be produced, might require. Where a strong attractive power might be necessary, the density would be greater; and so, vice versa; and to assist or co-operate with it, a magnetic power might be superadded.

Thus constituted, and furnished with those, and other needful qualities, and furrounding the whole visible choir of fystems, might not the orb, by the principle of gravitation, either alone or affished, keep those systems, next to it, from being drawn towards the centre of gravity by their own, and the

NOTE

versality of the law of gravitation, and the finiteness of the world, in length of time, except a miraculous power interpose and prevent it, it must really happen." Discourse, introductory to his theory, p. 38.

nutual action of the interior syfems? And might not those several ystems be so placed, and the denities of the bodies respectively beonging to them, with the denfities of the furrounding orb, and confequently their mutual gravitating power, be fo regulated, and adjusted, is to keep them all at the distance fligned them; and forever prevent heir approximating, either to the entre of the general system, or to ts furrounding orb: all of them toether thus constituting an undecayng permanent whole?

It has been observed by philosohers, " that a body placed any vhere, within a hollow fphere, which is homogeneous, and every where of the same thickness, will lave no gravity, wherefoever it be placed: the opposite gravities alvays precifely destroying each o-her*." But that observation cannot be applied to the hollow sphere or orb, above described: for by the description, it is not homogeneous. Nor need it be of equal thickness: which, however, is a circumstance of no confideration, if equal thickness, with different degrees. of denfity in different parts, would answer the purpose.

The phenomena of nature, upon the supposition of such an orb, would probably be the same, cateris paribus, as now take place. Whether that supposition be supported by phenomena, and what other foundation there is for it, will be the subject of

a future memoir.

NOTE.

* Chambers's Cyclopædia, under the word, gravity.

Observations tending to prove, by thenomena and scripture, the existence of an orb, which furrounds the whole wifible material system; and which may be necessary to preserve it from the ruin, to which, without such a counterbalance, it seems liable by that universal principle in matter, gravitation. Communicated to the American academy of arts and sciences, by James Bowdoin, esq. president of the said academy, and late governor of the state of Massachusetts.

A T the conclusion of a memoir, entitled, "Observations on light," &c. which I have had the honour to lay before the academy, it was intimated, that there are phenomena in nature, and other evidence, tending to prove the existence of an orb, that furrounds the whole visible material fystem.

The evidence is—phenomena and

scripture.

The phenomena are,—the luminous girdle in the blue expanse, called the Milky Way-other luminous appearances in it—and the ex-

panse itself.

In regard to the luminous girdle, or Milky Way .- This phenomenon has been supposed to result from the combined lustre of infinite multitudes of stars, too distant to be distinctly visible. But although it be observed through telescopes, that there is a great number of stars in the Milky Way, on which circumstance the supposition is founded, they appear as stars fet in it, distinguishable from it, and not contributing to form the phenomenon.

The supposition not only disagrees with the appearance, but is inconfistent with every philosophical idea concerning those stars. They are represented to be suns: each having its fystem of planets revolving round it; and confequently requiring a fpace proportioned to their number, and the extent of their fystems: which space, for such multitudes of them as the supposition implies, must be beyond conception immense: and through which they must therefore be dispersed at such distances, that comparatively sew of them could be visible by us; and that the whole together would not blend their light to cause that phenomenon.

On the contrary, the phenomenon ftrikes us, as it may be supposed such a luminous girdle would strike, if its light were reslected from the concave surface of a far-distant orb: to which, on the hypothesis assumed, it had been propelled from the numerous systems which the orb enfolds.

The fame idea is suggested by the different degrees of its light, from a small light to a faint one, scarcely discernible; by the frequent interruptions of it; and by the large chasm, which, for a considerable space makes the girdle appear dou-

ble and very irregular.

These appearances may be occasioned by the situation of the earth, in respect to those parts of the orb, from which certain cones of light (presently to be explained) are reslected; and by that particular construction, and configuration of those parts; by means of which those cones are broken and irregularly reslected to the earth: whose different situations in its orbit, by reason of its great distance from the orb, would occasion no sensible difference in the appearance.

With respect to the other luminous appearances in the concave expanse, I beg leave here to introduce several observations upon that subject, from two authors, who have distinguished themselves in the astronomical branch of science.

One of them, dr. Smith, in his

system of optics, * observes that Hugenius, in the year 1656, looking by chance through a large telescope, at three small stars very close to one another, in the middle of Orion's fword, faw feveral more as usual. But the three little stars very near one another, (marked & by Bayer) together with four more, shone out as it were through a whitish cloud much brighter than the ambient fky which being very black, caused that lucid part to appear like an aperture, which gave a prospect into : brighter region. He viewed it many times; and found it continued in the very fame place, and of the fame shape as the figure here represents:



and called it, portentum, cui certe simi le aliud nusquam apud reliquas fixa

potuit animadvertere."

He also observes, that " in the philosophical transactions, † there is an account of a later discovery of two more such lucid spots, though less considerable than this of Hugenius; the middle of which, we are there told, is at present in II.

NOTES.

* P. 447—8 + No. 347, Jones's Abr. vol. iv o oo' with fouth latitude 28° 45' id that it fends forth a radiant beam to the fouth-east, as another in le girdle of Andromeda feems to into the north-east. It is also ere remarked, that though these ots are in appearance but fmall, id most of them but a few minutes diameter; yet, fince they are aong the fixed stars, as having no inual parallax, they cannot fail to cupy spaces immensely great; and, rhaps, not less than our whole sor fystem: in all which spaces, it ould feem, that there is a perpetuuninterrupted day."

The other author, mr. Ferguson, eaking of the Milky-Way, fays* There is a remarkable tract round e heavens, called the Milky-Way, om its peculiar whiteness, which as formerly thought to be owing to vast number of very small stars erein: but the telescope shews it be quite otherwise: and therefore whiteness must be owing to some This tract appears finher cause, e in some parts, in others double. "There are feveral little whitish ots in the heavens, which appear agnified, and more luminous, hen feen through telescopes; yet ithout any stars in them." Five which spots he particularly menons.

He next observes, that "cloudy are are so called from their misty pearance. They look like dim are to the naked eye: but through telescope, they appear broad illuinated parts of the sky; in some of hich is one star, in others more, ut the most remarkable of all the oudy stars, is that in the middle of Orion's sword, where seven are soft which three are very close gether) feem to shine through a

NOTE.

cloud very lucid near the middle, but faint and ill-defined about the edges. It looks like a gap in the sky, through which one may see, as it were, part of a much brighter region."

These quotations, without making any comment upon them, shew, that the Milky-Way is not owing to the stars contained in it; that the telescope shews it to be quite otherwise; and that it must be owing to some other cause: that, in respect to the lucid fpots, in some of them there are no stars; in others but few; and that one of them exhibits a remarkable appearance of an aperture, or gap, that gave a prospect into a brighter region: that the spaces they occupy, though fmall in appearance, are, perhaps, not less than our whole folar system; and that in them it should seem there is perpetual uninterrupted day.

From these phenomena it seems not improbable, that the Milky-Way, and those lucids spots, are parts of a concave body or orb, of the same nature with some of the other heavenly bodies; and, whose light transmitted to us, exhibits those phenomena, according to the laws and circumstances, which regulate it.

There is another, and still more remarkable phenomenon, that suggests the idea of such an orb; I mean the blue concave expanse, which surrounds, and appears to limit visible nature; and which is the last to be considered.

It is thus explained by fir Isaac Newton; who observes, that all the "vapours, when they begin to condense and coalesce into natural particles, become first of such a bigness as to reslect the azure rays, ere they can constitute clouds of any other colour. This, therefore, being the first colour they begin to reslect, must be that of the finest

^{*} Astronomy, p. 339-40. Edit.

and most transparent skies: in which the vapours are not arrived to a grossiness sufficient to restect other colours."

By this explanation, it appears, that the cause of this phenomenon exists within the earth's atmosphere. If it really doth exist within it, the phenomenon, from the affigned cause of it, seems to be nothing more than a blue transparent cloud, more or less extensive, in proportion as the atmosphere may happen to be less or more charged with other clouds.

If this were the cause, would not the heavenly bodies, in a clear fky, partake of the colour of that cloud, and appear blue, or be tinged with it, by means of their light passing through the blue cloud? And would not this appearance indicate, that the blue rays of their light were transmitted, and the other coloured rays, for the most part, reflected, from the atmosphere? Would not that transmiffion of the blue rays occasion all bodies around us to appear blue. fo long as the atmosphere, continuing clear, should exhibit the blue cloud*? And would not the colours of those bodies vary, as other coloured clouds should succeed and predominate.

Would not this reflection of the other coloured rays occasion not only a decrease of light, but, with respect to the sun, a great diminution of its heat? If the several disferent coloured rays do each, in respect to heat, produce an equal effect; and all but the blue rays are reflected, should we not in a clear day, be deprived of six-sevenths, or a proportionable part, of the sun's heat, which the seven forts of rays, had they

NOTE.

been all transmitted, would have af forded?

Such appearances and effects migh have been expected, if the affigue cause produced the phenomenon for the fun's light and other light and also bodies in general, whateve be their colour, being viewed thro a medium of any original colour will appear of that colour, or ftrong ly tinged with it. But it is approhended, that no fuch appearance and effects have ever been observed and, therefore, that there is reaso to doubt the reality of the cause a figned: the infufficiency of whice may further appear in the course of these observations.

But how is the existence of the orb deduced from the phenomenon—in the same manner as the existence of the other heavenly bodie and the existence of the bodies round us are deduced: namely, fro the uniformity and permanency their visible qualities, or phenomen

In regard to bodies around u whenever by fight we have been ir pressed with certain ideas of colou form, and magnitude, correspon ing to bodies near us, and at an a proachable distance, we have foun by constant and uniform experience derived also from, and confirmed I every other fense and means of i formation, that fuch bodies do re: ly exist: and having thus from exp rience gained the knowledge, th certain phenomena do infallibly i dicate the existence of those bodie the phenomena themselves do th alone become the undisputed eviden of that existence.

Nature is fimple and uniform its operations. From the fame cat follow like effects; and these inceate the same cause. Bodies of every kind, through the medium light, produce their respective planomena, and these demonstrate treality of those bodies.

^{*} Chambers's Clyclopædia, under the word blueness.

From these principles, we infer the reality of those terrestrial bodies, which, by reason of their situation and distance, can only be the objects of fight: and from the fame principles we also infer the reality of the heavenly bodies, the planets and fixed ftars. If this last inference be just, is it not equally just to infer from the same principles, the reality of the blue circumambient expanse? that is, that it is a real concave body, encompassing all visible nature: which is the exact description of the concave furface of the orb abovementioned.

There is one appearance of the blue expanse, which may be thought to militate with the foregoing account of it.

In a clear day, it appears of a brighter blue than in the night, occasioned by the sun's light, reslected to us by the earth's atmosphere. From which circumstance, it might be supposed, that the cause of the phenomenon doth exist within the atmosphere, and is the atmosphere itself, or its vapour. It is apprehended, however, that this would be a mistaken supposition; and that the appearance may be explained on principles, which will not only invalidate the supposition, but further fhew the insufficiency of the cause, to which the phenomenon has been afcribed.

For that purpose it may be observed, that the atmosphere being invisible, must be without colour; and has, perhaps for that reason, no greater disposition to transmit or reflect to us the blue rays of light, whether of the sun or stars, than those of the other colours: and, therefore, if the phenomenon be produced by means of the blue rays of those luminaries (which I shall attempt to explain) the atmosphere cannot be the cause of that production.

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With respect to the vapours in the atmosphere, which, in a particular state, are said to occasion the pheno-. menon, they being of different degrees of groffness or density, must arrange themselves according to that denfity, or their specific gravity. If then any of the ranges confisted of vapour, in a proper flate to transmit or reflect to the eye the blue rays only, the effect of it would be deftroyed, or changed, by the groffer varour in the lower range. Or if it should so happen (which seems very improbable) that the whole body of vapour should consist of particles of the due fize, and in the proper flate to reflect the blue rays. it could not long continue in that state, by reason of the changeable nature of the vapour, and the numerous causes, that are constantly operating to produce a change in it. But the phenomenon is uniform and permanent; and therefore must be the effect of an uniform and permanent cause.

If these observations have any foundation, neither the atmosphere nor its vapour, assisted by, or assisting, the direct light of the sun and stars, can be the cause of the phenomenon.

The atmosphere, however, or its finer and transparent vapour, contributes to the brighter hue of the phenomenon by day: which may be thus explained:

The fun's light in its mixed frate, reflected by the atmosphere, or by the transparent vapour floating in it, enters the eye at the same time with the blue light of the expanse; and both together delineate on the retina an image, formed by their united rays, each producing its effect. The light from the expanse exhibiting the blue image; the light from the fun illuminating or brightening the image; and both together impressing the idea of that phenomenon, as it is displayed in a clear day.

If it should be asked, from whence the concave expanse derives its light, the answer is—from the numbersels planetary or solar systems, which it includes: and particularly from those in the neighbourhood of it, which directly answer the purpose of enlightening and, in other respects, accommodating its inhabitants.

This light, transmitted to the expanse through its atmosphere, is reflected back directly and indirectly to the fyllems from which it issued, to be again, in a due succession, remitted to, and reflected from, the expanse. By such a reciprocation, and mutual interchange of light with each other, and among themselves, the feveral parts may be supplied with the quantity they had respectively emitted; and the equilibrium of the whole maintained: whereby the evils, that might otherwise enfue from the waste, or unduc distribution of its matter, and the confequent alteration of its gravitation, might be prevented.

To different fystems, according to their fituations, the expanse may exhibit very different phenomena. Although to our fystem, or to us on this planet, it exhibits the blue concave of an all-furrounding orb; which, in the milky way, and in some other parts of it, shines with a brighter light, it may to other systems appear of other colours; and exhibit to some of them in succession, according to their fituations, the several primitive colours, in the order, in which the rays of those colours are separated and classed.

Of one of these exhibitions, that of the blue colour, we have ocular demonstration. But why should the expanse appear to us blue, rather than green, or any other primitive colour? If that appearance can be explained by the refrangibility of light, or by the separation of it into its several colours, as perhaps it can,

the other appearances of the expanse to other fystems, naturally, if not necessarily, follow.

Experiments prove, that light is compounded of differently-coloured rays; and that after it has past through different mediums, properly disposed, the rays are refracted, or separated and classed, according to their different refrangibility; and shew those colours in the order just mentioned: that the three most refrangible of them, the blue, the indigo, and the violet, which possess one half of the space spread over by the whole, are fo nearly allied in colour, that the last when considerably spread, are fearcely to be distinguished from the neighbouring blue: for which reafon, those three classes appear as one, at a great distance from the refracting medium: and the blue, thus circumstanced, and uniting those classes, may therefore be faid to possess a fpace equal to the space occupied by all the rest. That from any segment of a hollow sphere, such, for instance, as a concave mirror, whose arc does not exceed fifteen or eighteen * degrees; the cylinder of rays falling upon it, parallel to its axis, will, if there be no refraction, be reflected to a focus round that axis: the focus being nearly equidifiant from the pole of the fegment, and the centre of its sphere: and that those rays, if previously refracted, and classed into their several colours, will, in their divergence from the focal point, shew those colours in a reversed order: the refraction, however, occasioning an alteration in the position of the focus, and the diverging conc.

To apply fome of these observations, it may be supposed that the

NOTE.

* Gravefande's Natural Philofophy, Book III. ch. xv. prop. 813. interior fide of the expanse has, in general, an uniform furface, which may be conceived as composed of a multitude of fegments, each of them not exceeding a given arch: that it is furnished with an atmosphere, posfeffing, in some peculiar mode, the power of refracting light, of distributing its rays into their respective classes, and transmitting them to the expanse: which also may be conceived as affifting, by its reflecting power, in their classification: that the transmitted rays would, in their classed state, be reflected from it in all directions; and that fuch of them (by far the greatest + part of the whole) as should come to the atmos-

NOTE.

+ That these parallel rays (parallel, I mean, to any and every conceivable diameter-line of the expanse) must constitute the greatest quantity or proportion of the reflected light, will be manifest from these considerations: that they come to every fegment or part of the expanse from the opposite part of it, and from the syftems fituated between fuch opposite parts: that the distance of any two opposite parts from each other, equal to the diameter of the expanse, is the greatest that can take place within it: that there must, therefore, be, in the space between them, a greater number of fystems supplying the expanse with light, than there can be in any extra-central direction; and that this may be affirmed of every two opposite parts or fegments in the whole, furface of the expanse. The effect of the atmosphere, in regard to the refraction, is not here noticed. These rays, like the sun's rays at the earth, are confidered as parallel, by reason of the great distance of the radiant bodies, and the confequent extreme minuteness of the angle of divergence at fuch a diffance.

phere in parallel lines or in cylinders, whose axes were diameter-lines of the expanse, and whose bases were equal to those segments, would pass through the atmosphere to the corresponding segments of the expanse, and be restected from them; and afterwards, in the same classed state, unite in a socus, from which they would diverge, and exhibit their seweral colours.

To give fome idea, though an imperfect one, of that focus, the reflexion and convergence may be conceived as made (fomewhat in the manner above reprefented) from the fegments composing the whole furface of the expanse: that each fegment would reflect a cone of rays, terminating in a focus; and that the united foci of those cones, which must be considered as coming from all quarters of the expanse, would constitute its general focus.

In some such disposition, and state of things, as here represented, it is conceivable, that the fystem-light, transmitted to the expanse through its atmosphere, might be reflected from those segments; and for the most part converge in cones towards a general focus; where, by means of the refraction and separation, it had undergone in that transmission and reflexion, it would be, in each cone, arranged or classed, according to the different refrangibility and reflexibility of its rays. After the rays had past the boundary of their focus, they would intersect each other, and form new and reversed cones, or conic figures, in which each fort of the coloured rays, as," before the intersection, would generally be together; and in that affociated state, continually diverge, in proportion to their distance from the line of intersection.

But perhaps the whole of this effect, the claffification of the rays, may be caused by the restecting

power of the expanse: which, in that case, would receive the rays in the same mixed state, as the direct solar light comes to the earth: with respect to which, we know, that it frequently undergoes a classification by reflexion, as well as by refraction.

In either case, as the three most refrangible and reslexible classes, at a proper distance from the focus, are not to be distinguished from each other, but all appear blue; and as the blue, at that distance and beyond it, doth therefore possess for large a portion of the interior space of the expanse, it is conceivable, that many systems may be so placed, as to be on all sides in the direction of the rays of that colour; and to which the whole expanse would, for that

reason, appear blue.

With respect to the earth, it is probably fo fituated, as to be in all parts of its orbit, principally within the limits of fuch classes, as are composed of the blue rays; and partly within the verge of classes, whose rays, by reason of their impersect separation, being in a mixed state, exhibit a brighter light. The predominant colour, therefore, of the expanse, as it respects the earth, is blue; with inte-spersions of a brighter light, fuch as the Milky Way, and other lucid parts of the expanse: whose irregular appearance, in the Milky Way, may be owing (as hath been already suggested,) to the particular construction and configuration of its parts: the brightness of which feems to intimate some peculiarity in their constitution, and in the circumitances attending them-nature thus exhibiting, on a broad fcale, phenomena, which our little experiments can exhibit only in miniature; and of which those experiments fometimes lead to a happy explanation.

Whether the foregoing be such an

explanation, or wholly chimerical, in reference to the colour of the expanse, does not affect the expanse it-felf: whose existence, considered as an all-furrounding orb, may be real, although the assigned cause of its colour be demonstrably without foundation.

From the feveral phenomena above-mentioned, unless the evidence, supposed to arise from them, be suitle, or inadmissible, there is reason to conclude, that an all-surrounding orb doth really exist; and that the blue

expanse is that orb.

It is an observation of sir Isaac Newton, "that the main business of natural philosophy, is to argue from phenomena, without feigning hypotheses; and to deduce causes from effects, till we come to the very first cause, which certainly is not mechanical; and not only to unfold the mechanism of the world, but chiefly (among others that are mentioned) to resolve these, and such like questions, viz. Whence is it. that the fun and planets gravitate towards one another, without denfe matter between them? and what hinders the fixed fears from falling upon one another ?"*

Agreeably to the foregoing observation, the author of this memoir having adduced certain phenomena-(he hopes not impertinently)—has endeavoured, not only to argue from them, and to deduce the cause from the effects, but to refolve that great question, concerning the fixed stars and the heavenly bodies in general, namely, What hinders them from falling upon one another, and thereby involving the whole in ruin?— Whether his endeavours have been fuccessfully applied, those who are converfant in subjects of this nature, are best qualified to judge.

NOTE.

^{*} Optics, p. 34.4. 4th edit. 8vo.

in regard to the subject in hand, re seems to be a happy co-incince between phenomena and seripe; and, therefore, in further evice of such an orb, and in evice of several other orbs similar, leoncentric to it, we may recur feripture; several passages of ich appear applicable to that purfe.

It feldom happens, that natural losophy is made to borrow assiste from thence: but though scripe may not be intended to instruct in the philosophy of material nae, it may nevertheless give, and intended to give, some hints of constitution, or general system. As the passages referred to, do not

d any laboured comments, a very

observations will suffice to exin and apply them.

A remarkable one, and which may ve, in some measure, to elucidate rest, is this passage, "It is God it buildeth his stories in the heans."* In the English translation, nich agrees with the French, with E Latin of Cattellio, and of Treillius and Junius, the marginal iding, referring to stories, is neres and afcentions. The former planatory of stories: the latter, other word for the Hebrew; and nich answers to the Greek of the ptuagint. All which, both fepately and together, give the idea of fuccession of concentric spheres, cending one above another, like eftories of a magnificent building: id, agreeably to that idea, though very different principles, perhaps ofe of the Ptolemean system, the xt has been explained.+

NOTES.

* Amos, ch. ix. 6.

† Qui ædificat in cœlo (in fucmis cœlis) ascensiones suas hæras suas—gradus suos : i. e. orThis confirmation, which appears to be a natural one, gives a meaning to the text—a meaning illustrative of the omnipotence of the architect: and, at the fame time that it elucidates fome other texts relative to the subject, it is perfectly descriptive of the concentric spheres, or orbs, above mentioned.

The fame idea is intimated in the fhort account, given of the creation, by Mofes, who feems to refer to two firmaments.—The first he mentions, is limited to the earth and its atmosphere; and the other is that in which

the fixed stars do appear.

It is this latter, that is here to be confidered: concerning which, "God faid, let there be lights in the firmament of heaven;" and concerning which, it is declared, that "God fet those lights in the firmament." I

NOTES.

bes cœlestes, qui sunt velut gradus, unus supra alterum.

Poli synopsis in loc.

‡ Gen. ch. i. v. 14. 17.

Mr. Whiston, whose explanation of the Mosaic account of the creation, is natural, and in general seems to be just, make no distinction of firmaments; which, however, he might have made, without injuring his theory; and which his own rules of interpretation would have justified.

The upper firmament, or the blue expanse, in which the heavenly bodies were "fet," he might have included, together with them, in the work of the fourth day, or year, as it was rendered visible at the same time, by means of the earth's atmosphere, in that year, becoming transparent: which atmosphere, according to his theory, is the sothers firmament, or expanse. He supposes, the earth had no rotation about

The radix of the Hebrew word, translated firmament, is applied to God's fpreading out the sky, to the firmament, or spacious extension, which is spread abroad between the earth and the clouds: as also to that other firmament, or spacious extension, which is above the clouds, where the heavenly bodies are placed.*

The original word † means not only firmament, but expanse, or spacious extension. In the English translation, and also in the Greek of the Septuagint, it conveys the idea of something firm and solid. Some other translations adopt the other acceptation of it. It seems to include both; and, in that case, means something solid and spaciously extended.

This explication of the term, connected with the appearance of this firmament, or expanse, gives us the intimation of a folid and spaciously extended orb, or sphere and answers to one of the stories, which God built in the heavens.

of God: and the firmament sheweth his handy-work."—Here is a clear distinction between the heavens and the firmament. By the former, are meant the heavenly bodies; and by the latter, the firmament, or expanse, in which they appear.

NOTES.

its axis, until the deluge; and, therefore, that its annual revolution round the fun, would occasion the antediluvian day to be exactly commenfurate with the year.

* Taylor's Hebrew concordance,

root 1826.

+ The author of this memoir, being unacquainted with Hebrew, fpeaks of its meaning, from information only.

† Pfalm xix. 1. Cœlum hoc stel-

liferum. Poli Syn.

The fame observations may be applied to this, as have been applied to

the foregoing passage.

Another, and more descriptive c fuch an orb, is the following one " hast thou spread out the sky, which is strong, and as a molten looking glass?" || or, as a mirror made c polished metal. The foremention French and Latin versions, and th Greek of the Septuagint, do, in th passage, all concur with the English, i representing the sky, as strong, firm and folid. The Septuagint, especially expresses this idea with peculiar force as doth also the Hebrew original which, in this place, compares th fky to a speculum, or mirror, " mac of polished metal." 9

"The elegant fimile of the mirro cannot be understood, without recolecting, that the mirrors of the ancients were made of metal high

ly polithed."

This description shews the sky of be not only firm and solid, but remarkably adapted to reflect light

NOTES.

Job xxxvii, 18. An expandit cum eo (eum adjuvando) æther vel cælos, vel firmamentum? He Græci vocant stereoma, quod si mum sit, et sua se velut virtute cont neat, nulla re nixum. Æthera, v cælos—qui solidissimi—qui su sortes; item, sicut speculum, fusu sive concretum.—Cælos, quibus si mitas tribuitur, Prov. viii. 28. unc poetæ cælum vocaruntchalkeon our non. "Specula susa" intellige exævel chalybe. Vox "fortes" solidist tem denotat-Cælum—solidissimun ut simul cohæreat. Poli Syn.

I Fusum, firmum, validum, it star fusi et consistentis metalli. Tay lor's Hebrew concordance, root 78;

26.

§ Scott's Book of Job, pag 354. d so far intimates the cause, why is visible. The sky here, as the manient in a former clause, corponds to one of the stories, which od built in the heavens.

There are other passages, which ention the spreading out, and etching out, of the heavens; and is as declarative of the diferenion, understanding, the wisdom and wer of God. But if it be a mere pearance, arising from the atmoscre-vapours, in a particular state, lecting to usthe blue rays of light; if it be a more circumstance attennt on, or resulting from, the atofphere; and doth not indicate real existence of what is declared to thus spread or stretched out, it then in a comparative view, but inferior instance of wisdom and wer: by no means fuch an instance them as to entitle it to be menned in the climax, in which it is and-much lefs to be the head or ncipal member of it.

The following, which is one of ofe passages, and in the sense of nich the aforenamed versions conr with the English, will shew : climax-" He hath made the th by his power: he hath estashed the world by his wisdom; d hath firetched out the heavens his understanding."*-The earth, cluding its atmosphere—the world, heavenly bodies collectively—the etched-out heavens, or blue ex-This remarkable climax, ending in dignity and imporice, shews, that the last and prinoal member of it, the expanse, not only diffinct from the earth, d the whole fy frem of the heavenly dies, but that it furpasses them in cellence; and that it is the capital, long the works of the visible crea-

NOTE.

tion. The defeription of it, and its rank in the climax, indicate, that it is the fame firmament or expanse, above described; that the fame observations are applicable to it; and therefore, that this, and the parallel passages alluded to, may be adduced in further evidence of its existence; and, consequently, of the existence of an all-furrounding orb.

The same idea is held forth in a part of the address of Wisdom in Prov. viii. 27—29: the sense of which may be expressed in the following translation: which differs from the common English translation, no further than the apprehended sense of the text makes necessary. A few explanatory notes are interspersed by way of illustration.

Wifdom speaking, says,—verse 27, "When God prepared the heavens [the whole fystem of visible nature] I was present. When (with respect to the heaven) he set an orb around the superficies of the depth [the immense space included within the orb: in reference to which, that space may be justly called the depth]: v. 28. When he gave folidity and flrength to (that orb) the fky above; and when he established its fountains of waters [its interior and exterior atmospheres]: v. 29. When (with respect to the terraqueous globe) he gave to the fea his decree, that its waters should not pass their bounds: and when he appointed the foundations of the earth, then I was by him."

If this translation and illustration, be just, the text, which only gives the great out-lines, or capital parts of creation, strongly impresses the idea, that there is an orb furrounding all visible nature; that it is strong and solid; and that it is surnished with an interior and exterior atmosphete; all which is surther descriptive of one of the stories, that God

built in the heavens.

^{*} Jer. ch. I. ver. 15.

In support of the translation and illustration here given, I had collected, in a marginal note, a number of authorities from Pool's synopsis: but it being somewhat long, and those who are qualified to judge in the matter, being able to recur to the synopsis, it is omitted.

Befide those authorities, and in further support of the translation, may be adduced the 148th psalm: where are enumerated, in a regular succession, the heavenly bodies, which compose the material system:—the fun, moon, stars, heavens, and wa-

ters above the heavens.

The distinct notice there taken of those bodies, and the arrangement of them according to nature, make it probable, that by the heavens (in that passage as in some others) are intended the orbs, that have been described. And, in regard to the waters above the heavens, they do plainly intimate, that those orbs are each, like the earth, environed by an atmosphere replenished waters, to answer the same purposes with the atmospheric waters of the earth .- Of that passage, there will prefently be occasion to take fome further notice.

If some happy genius, well versed in Hebrew, and the philosophy of nature, would arrange in due order and faithfully translate, those parts of scripture, that in any respect refer to the constitution and economy of nature, and this with a view of reconciling them to nature, we should probably find, that scripture philosophy and natural philosophy would mutually illustrate each other. Such a translation and illustration would be a real acquisition to science; and might lead to discoveries, of which at present we can form no idea.

One quotation more, amidit a further number that might be offered,

will close the evidence.

"The heaven, and the heaven of heavens, and the earth 21fo, are the

Lord's." "Thou hast made heave the heaven of heavens, with all th hosts: the earth, and the feas, a all things in them." "Praise hi ye fun and moon, ye slars, ye heav of heavens, and ye waters above heavens."*

There are other passages of I import: but these containing all varieties of expression I have obser concerning the material heavens, system of nature, may be thou

fufficient.

That the material heavens are I intended, there can be no room doubt, as they are mentioned connexion with the earth-with tl hofts-with the earth and feas. the things contained in them-w the fun, moon, and stars—and w the waters above the heavens. T are evidently confidered here as fo ing, in conjunction with those of bodies, one valt system; whose veral constituent parts are, in the clause of the quoted text, ran in the order, in which it is nati to speak of them; and in wh: reckoning from the centre of folar fystem, they do in exist.

Here is a plain diferimination tween the heaven; the heaven heavens; and the heavens of heave which must imply some essential ference between them. To fup; the contrary is to confound language and involve it in uncertainty. would be to suppose those express void of meaning; and would treating feripture with the indecer to which no other book, appea to be distated merely by com: fense, would be entitled. expressions, then, necessarily in some effential difference in the obof them: and what that differ

NOTE.

^{*} Deut. x. 14. Neh. ix. 6. 5. cxlviii. 3. 4.

s, the quotation from Amos points The gradation, respecting he heavens, is remarkable; and, vithout recurring to any thing elfe, fuggests the idea of stories in them, or beyond the orb, as above explain-The feries too, in which they ire mentioned-the fun, moon, tars, heavens, and waters above the neavens-and the place they hold in he feries, fuggest the fame idea, which is strengthened and confirmed by the express declaration, that in act there were fuch stories built by he Almighty: or, as it is otherwise xpressed, that "he made them with Il their hosts."

The last member of the series, is ne waters above the heavens. These vaters, if we argue from analogy, tem to indicate and to be descriptive of atmospheres, that surround those rbs, amply provided, like our atmosphere, with waters, and other lements, proper for the support of nimal and vegetable life; and for

ther important purposes.

The number of those stories, or oncentric orbs, seems indefinite. The gradation clearly denotes a pluality of them; each having its oft—its suns, and planets, or systems. The ample spaces between them, like the space infolded by the orb, o which we more immediately beong) are beautified by those glorious odies, which, within each of the orbs, constitute systems innumerable, erving the like noble purposes, which aur folar system is calculated to serve, and doth serve.

The foregoing passages of scripure, thus interpreted, appear to agree, a their result, with the phenomena bove mentioned; and, like them, o be naturally, and without force, applicable to the purpose, for which hey were produced. Such agreement, it is apprehended, shews the propriety and fitness of the interpretion: as, on the other hand, a lifagreement with phenomena would

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prove the unfitness or falsity of any interpretation; and manifest it to be

totally inadmissible.

When feripture and phenomena thus agree, they mutually elucidate each other; and in that case, what is deducible from the one, is confirmed by the other. As, therefore, those passages agree with the phenomena, they both together corroborate the evidence, which each afforded separately, of the existence of an interior orb.

With respect to the exterior orbs, the evidence for them must rest on scripture. There can be no phenomena, from which to deduce their reality; unless the aperture, or gap abovementioned, with what it dis-

closes, be admitted as fuch.

The phenomena, exhibited thro' the aperture, are indeed remarkable; and may indicate an exterior orb, or the bright region between that and the orb, which more immediately furrounds us: in which bright region, as well as in fome other of the lucid spaces in the expanse, there seems to be an uninter-

rupted and perpetual day.

If, in fact, there be such an aperture, the same appearances with shofe from which it was deduced, may indicate other apertures in the other lucid spaces, and in the Milky Way: to the ascertaining of which, the observations of the ingenious mr. Herschell, with his large magnifiers, should be think proper to apply them to that purpose, might happily conduce.

Among the purposes, for which those apertures were intended, if they really exist, this may be one—to give the intra-orbic and transforbic systems some intimation of each other, and of their mutual relation; and to afford them a glimpse of the grand, complicated system, of which

they are parts.

The immensity of those orbs, doth not invalidate their existence: on the D

contrary, immensity is so congenial to our ideas of the Creator, and his works, that it affords, as applied to those orbs, an internal presumptive

proof of their reality.

On the supposition of their existence, what an affemblage of glorious bodies do they exhibit—peopled by an unlimited variety of beingsand arranged in a gradation beautiful and altonishing! Trace the gradation, from the smaller to the larger planets, circling around their fun, and with him forming a magnificent system! Trace it from that system, through fuccessive systems, to their surrounding orb! Trace it from orb to orb, and through their feveral hofts of fystems, up to the superior orb, and its ambient atmosphere! Trace it in every possible direction, from the common centre to the utmost verge of that atmosphere, and the most wonderful phenomena, in a rapture-inspiring succession, strike the mental eye!-impressing the idea of a complete whole, felf-balanced, and held in union by universal gravitation!-exhibiting a fuperlatively grand system of systems, embosomed in the infinite, all-comprehending effence of the Creator!

Grand and magnificent as this fyftem is, there may be another, incomparably more fo, composed of myriads of such fystems, governed by the same laws, and, with it, surrounded by an immense orb, to counterbalance the gravitation of the inclu-

ded fystems.

That other fystem smay be a part of a still more splendid one, formed on the same plan; and this latter may enter into the composition of other systems, beyond comparison superior to it; each succeeding system, in a regular progression, rising in dignity and splendor. And thus we may go on, enlarging our idea of those systems, indefinitely.

What is there, to check that idea,

when we confider the infinity of space, in connexion with the infinite wisdom, power, and benevolence of the author of nature—and, at the same time, reslect, that infinite space is the proper and only adequate theatre, for the display of those persections, and of such a character?

This hypothesis, by introducing folid orbs, may possibly, on a superficial view of it, be thought a revival of the ancient or Ptolemæan system, and to grow out of it. But on the contrary, it will be found, upon examination, totally inconsistent with it; and to be, in reality, the offspring of the new philosophy; derived from the grand principle of that philosophy—universal gravitation.

Upon the whole—the hypothesis, fo far as it relates to the existence of the interior orb, immediately surrounding the visible heavens, the author of it apprehends to be a probable deduction from the principles of gravitation; and to be deducible also from phenomena, and scripture He offers it for consideration, with the hope, that, if it should appear not wholly groundless, it may be productive of a happier illustration.

······

A theory of lightning, and thunder-storms, by Andrew Oliver esq. of Salem in the state of Massachusetts.

IT has been generally, and, confidering the phenomena themselves very naturally, supposed, that the electric charges, which are exhibited in repeated slashes of lightning during a thunder storm, are previously accumulated in the vapours which constitute the cloud; and that these vapours, when by any means they become either over-charged with electric matter, or are deprived of their

natural quantities of it*, discharge their furplufage to, or receive the necessary supplies from, either the earth or the neighbouring clouds, in fuccessive explosions, till an equilibrium is restored between them. I shall endeavour, in the following pages, to prove, that these charges refide, not in the cloud, or vapours of which it consists, but in the air which fultains them-and that, previous to the formation of the cloud, or even the ascent of the vapours of which it is formed. But in order to convey my ideas, upon this fulject, with perspicuity, I find it necessary to introduce them with a quotation from dr. Franklin's letters on electricity, in which the doctor compares water, whether in its natural state, or rarefied into vapours, to a sponge; and the electric fluid, in connexion with it, to water applied to the sponge.

"When a sponge, says he, is somewhat condenfed, by being squeez-" ed between the fingers, it will not " receive and retain fo much water, " as when it is in its more loofe and "open state, If more squeezed and condensed, some of the water will " come out of its inner parts, and " flow on the furface. If the prcf-. " fure of the fingers be entirely re-" moved, the sponge will not only " refume what was lately forced out, " but attract an additional quantity. " As the sponge, in its rarer state, " will naturally attract and absorb "more water-and, in its denser " state, will naturally attract and ab-" forb less water—we may call the " quantity it absorbs in either state, " its natural quantity, the state be-"ing confidered."

NOTE.

* A body is faid to be electrically charged, whenever it has either more or less than its natural quantity of electric matter.

The doctor then supposes " that " what the sponge is to water, the same " is water to the electric fluid;-" that, when a portion of water is "in its common dense state, it can " hold no more electric fluid, than it "has; if any be added, it spreads "upon the furface." He adds. " when the same portion of water is " rarefied into vapour, and forms a " cloud, it is then capable of receiv-" ing and absorbing a much greater " quantity, as there is room for each " particle to have an electric atmo-" sphere. Thus water, in its rarefied " state, or in the form of a cloud, " will be in a negative state of elec-" tricity; it will have less than its " natural quantity, that is, less than " it is naturally capable of attract-" ing and absorbing in that state"."

The foregoing passages I have copied verbatim from that celebrated electrician; as I purpose, in the course of this essay, to avail myself of his idea of the sponge, in order to illustrate a different theory of thunder clouds, which I now beg leave, (though with diffidence of my own judgment, and with all due deference to that of fo great a man) to substitute in the room of the foregoing; which, I must confess, at first fight, carries great appearance of probability with it, and is highly corroborated by the curious and beautiful experiment the doctor made with the filver can, brass chain, and lock of cottont.

But in reading doctor Priestley's history of electricity, some thoughts of Signor Beccaria occurred, which fatisfied me, that this hypothesis, however ingenious and plaufible, was infufficient for the purpose of accounting for the rife and pheno-

NOTE.

* Franklin's letters, page 119. + Page 121.

mena of thunder florms; the frequent extent, and violence of which, feem to require a more general cause, than that hinted above, to supply them with sufficient quantities of electric matter.

"Confidering the vast quantity of " electric fire, that appears in the " most simple thunder storms, " fays "doctor Prieftley +," Signor Beccaria " thinks it impossible, that any cloud, " or number of clouds, should ever " contain it all, so as either to dif-" charge or receive it. Besides, du-" ring the progress and increase of the " ftorm, though the lightning fre-" quently ftruck to the earth, the " fame clouds were the next moment " ready to make a still greater dif-" charge, and his apparatus continu-" ed to be as much affected as ever. "The clouds must consequently have "received, at one place, the mo-.. ment that a discharge was made " from them in another.

Signor Beccaria accounts for this vast exhibition of electric fire from a thunder cloud, by supposing, that some parts of the earth may become more highly charged with the electric fluid than others, and that great quantities of it do fometimes rush out of particular parts, and rife through the air, into the higher regions of the atmosphere; other parts of the earth becoming cafually destitute of their natural quantity of the fluid at the same time, and ready to receive it: that a chain of clouds nearly contiguous, or a fingle cloud, extending from one of these regions to another, in an opposite state, might ferve as a conductor or conductors, to restore the electric equilibrium between them, which would equally cause thunder and lightning

NOTE.

† Pricelley's history of electricity, page 325.

in both regions, and throughout the intermediate clouds*. Here doctor Priestley justly observes, that "the "greatest difficulty, attending this "theory of the origin of thunder "florms, relates to the collection and " infulation of electric matter, within " the body of the earth." With regard to the collection, the doctor obferves, that his author" has nothing " particular to fay:" nor indeed, without a previous infulation of those parts of the earth, which may be concerned in the production of the phenomena, can any fuch collection take Now if we confider, that, in order to have two regions of the earth thus infulated, and of fufficient dimenfions, one to supply, and the other to receive the quantities of electric fire, discharged during one thunder storm of any extent and continuance, the parts infulated must not be superficial regions, but must reach to a confiderable depth; we must suppose, with doctor Priestley, " that the " electric matter, which forms and " animates the thunder cloud, issues "from places far below the fur-" face of the earth, and that it bu-" ries itself theret." But, with deference to the judgment of that unwearied friend to science, I apprehend, that such an insulation is hardly confistent with that distribution of conductors, especially of water, which provident nature has made through all parts of our globe; the highest mountains being furnished with internal springs and fountains, and watered externally by rivulets, which derive their origin from condenfing mifts or melting fnows upon their fummits: while the furface of the earth in general, not excepting the most fandy deferts, affords supplies of water, to those who will be

NOTES.

* ibid.

+ Priestley, page 335.

the pains of digging for it. If en the vapours, which constitute e cloud, are, of themselves, incaable of furnishing such quantities electric matter as are necessary for e repeated discharges in a severe under storm, as Signor Beccaria inks they are, and as feems to me dubitable; and if the infulations of rge portions of the furface or exrior parts of the earth, which are ofolutely necessary to support Beciria's hypothelis, cannot take place; nd, how they can in our terraueous mass, is difficult to conceive, onfiftently with the hitherto discoered properties of the electric fluid.) e must seek for some other subance in nature, which may be capae of affording those reiterated suplies of that powerful element, which e usually exhibited in a thunder This, I prefume, we shall nd in the atmosphere over our eads: not in the vapours which oat therein, but in the air itself hich fullains them.

Air is by electricians juftly claffed ith electric fubftances, as it possesses he fame general properties, in common with others of that denomination, particular instances of which may occur in the following pages; wherein I shall endeavour to prove.

I. That the electric capacity of

ir is leffened by condenfation.
11. That this capacity is increased

II. That this capacity is increased by heat.

Premifing, that by air I here mean hat fluid in its common compressed flate, with us, near the surface of the earth; and by its electric capacity, that slate of it, which disposes it, under any circumstances whatever, "to attract, absorb and retain," what doctor Franklin calls its natural quantity, or the quantity which is natural to it in that state.

I. I shall endeavour to prove, that the electric capacity of air is lessened by condensation.

That a change of density in air produces also a change in its electric capacity (as above defined,) follows from some experiments of monsieur de Faye and doctor Priestley, the former of whom found, upon repeated trials, that no electricity could be excited by the friction of a glass tube, in which the air was condenfed*. The doctor, repeating the experi-ments with fome variation, found, that, when one additional atmosphere was forced into the tube, the electricity, excited by rubbing it, was scarcely difcernible. Now, though the effect was a suspension of the operation of the excited tube without, the cause was evidently the condensed flate of the air within; which may be accounted for, if we confider, that, although it is certain, from many experiments, that glass is absolutely impermeable to the electric fluid, infomuch that it cannot force its way through a pane of glass, or the sides of a phial, without breaking the glass, (as was the case in those spontaneous discharges of several of the jars in the electrical battery mentioned by doctor Priestley+) yet it is as certain, that this impermeability of the glass to the fluid itself, is no obstruction to the operation of that repellent power, upon which the visible effects of this element feem principally to depend; which power undeniably acts from one fide of the glass, through the very substance of it, upon the same fluid on the other fide, provided there be any other fubstance on that side, capable of receiving it, when thus repelled.

This is the case in the Leyden experiment, in every form, in which it can be made; the charge given to one side of the glass, repelling and throwing off an equal quantity of the

NTOES.

^{*} Page 50. + Page 499.

electric fluid from the opposite surface, through the non-electric coating, in contact with it; nor can any charge be given to either fide, without a proportional discharge from the other. In like manner, when an uncoated tube is excited by friction. a quantity of the fluid, equal to that which is excited and condenfed upon the outer surface, is thrown out from the inner, provided there is any substance within, in a capacity to receive and absorb it, without which no excitation can take place, " A " glass tube, out of which the air is " exhausted, discovers no signs of e-" lectricity outwards ";" there being no substance within capable of receiving and absorbing the fluid from the inner furface, which, though repelled from it inwards during the operation, yet returns to it again inflantly, upon a ceffation of the action of the rubber without. But upon a readmission of air, the excitation is easy, and is attended with the usual effects. Air, then, which is the only fubitance admitted (excepting perhaps a few straggling vapours which float in it) receives and abforbs a fufficient quantity of the electric fluid from the inner furface, to permit an excitation of the tube, which contains But as we have feen, that air, when condenfed within, prevents the visible effects of an excitation, equally with a total vacuity, we may adopt the idea of doctor Franklin, mutatis mutandis, and conclude, that "what the sponge is to water, the fame is air to the electric fluid:" at least that this capacity of air is lessened by condensation, in a manner, not indeed perfectly fimilar, but, fomewhat analogous to that, in which the capacity of a sponge, to receive

NOTE.

* Pricfley's history of electricity, page 550.

and retain water, it lessened by co pression. Agreeably to which ide the condensed air within the tul having its electric capacity fille and even crouded, with the elect matter, will receive none from a inner surface, which, on the contry, is thereby prevented from bei forcedout of it; without which, no can be forced into, or condensed u on the outer surface, so as to exl bit any signs of electricity; as c served before.

II. I shall endeavour to prove, the electric capacity of air is encreased.

ed by heat.

This also appears probable, at lea from the above-cited experimen of doctor Priestley; for, after t air, in his tube, had had this capaci fo far diminished by condensation, not to permit an excitation withou that eapacity, together with the co sequent excitability of the tube, w reflored, by the action of heat up the included air, "Repeating n attempts (fays he) to excite the tu above mentioned, I found, that, a ter very haid rubbing, it began act a little, and that its virtue i creased with the labour. ing it might be the warmth which produced this effect, I held the tul to the fire, and found, that, whe it was pretty hot, it would act a most as well, as when it containe no more than its usual quantity air*."

In page 553, doctor Priestley tel us, that some of his electrical friend were of opinion, that the reason why a tube, with condensed air in a cannot be excited, is, that the den air within prevents the electric still from being forced out of the inside of the tube, without which none can be forced into the out.

NOTE,

* Page 551.

fide; and that heating the tube akes the air within less electrical;" at is, (as I conceive their meang) puts it in a capacity, to receive d abforb more of the electric fluid, an it could otherwise do in that indensed state. The doctor indeed ks, by way of objection to the regoing folution,- " How, upon this principle, can a folid flick of glass be excited?' To which I ould answer, that possibly, when a lid flick of glass is excited, as much f the electric fluid may be drawn it of one fide of it, as is thrown ito or condensed upon the other: if , although it may shew equal figns f electricity on both fides, yet one de will be in a positive, the other a negative state; when it will ex-Hlv refemble the curious stone, cald the Tourmalin, by some lapis e-Aricus, which, doctor Priestley fays,* has always, at the fame time, a positive and a negative electricity; one of its fides being in one state, and the other in the opposite;" which does not depend upon the exernal form " of the stone." But he truth of this folution must be deermined by future experiments.

That the electric state of the air sliable to be affected by heat, is urther evident, from a course of experiments, which were made by the ibbe Mazeas, with an apparatus, that was constructed folely with a view of determining the electricity of the itmosphere, anno 1753†. this apparatus, the abbé observed. that, from the 17th of June, when he began his experiments, the electricity of the air, was fenfibly felt every day, from sun rise till seven or eight o'clock in the evening, when the weather was dry; but that, in the drieft nights of that fummer he could

NOTES.

discover no figns of electricity in the air, nor till the morning, when the sur, nor till the morning, when the sur began to appear above the horizon; and that "they vanished agaia" in the evening, about half an hour after sun-set;" and further "that the strongest common electricity" of the atmosphere, during the fummer, was perceived in the "month of July, on a very dry day, the heavens being very clear, and

" the fun extremely hot." Now, as this electricity of the air was fensible only during day-light, no electricity being discoverable therein, even in the driest nights, and as the air exhibited the strongest signs of electricity, when the fun thone extremely hot; is not the conclusion unavoidable, that heat fomehow affects the electric capacity of air, either enlarging it, and thereby dispofing the air to attract, receive and abforb greater quantities of electric matter, than it is capable of abforb. ing in its natural state; or superadding, to its natural quantity, more than it can abforb, and thereby disposing it to throw off the redundancy upon any objects, which may be in a fituation to receive it? One or the other feems necessarily to follow: but the former is most agreeable to doctor Priestley's experiment of the condenfed air, in the tube above mentioned: and is perfectly confonant with the obfervations of doctor Franklin, mr. Kinnersley, and others, that thunder clouds are generally in the negative state of electricity*. But more upon this head hereafter. I would however

NOTE.

*Epitome of Phil. Tranf. Gent. Mag. Sept. 1773, page 447. Mr. Henley thinks, that cold electrifies the atmosphere positively; and thence conjectures, that heat electrifies it negatively. His conclusions are founded upon a course of experiments.

^{*}Page 299. + Page 342,

observe here, that many, and perhaps all other, electric substances, even the most-firm and solid, as well as air, are liable to have their electric capacities thus diverfified by heat, more particularly the Tourmalin above mentioned. But as, in treating of the properties of this stone, doctor Priestley has thought it deferving of a diftinct fection in hiselectric history, to that I shall refer the reader, for a particular account of them t; wherein he will find a discovery, made by messrs. Canton and Wilson, that these properties are not peculiar to the Tourmalin, but that many gems have a natural disposition to afford the same appearances: whence we may conclude, as above, by analogy, that all electric fubitances are more or less affected in like manner, by the same cause. But, to return to the subject:

If, from the foregoing confiderations, the reader should be fatisfied, that the electric capacity of air, in its condensed state, in the lower regions of the atmosphere, is liable to be diminished by a further condensation, and that, cateris paribus, it is increased by heat, and vice versa; the folution of the phenomena of thunder and lightning, to his fatisfaction, upon electrical principles, will perhaps be no difficult talk

For, let us conceive a region of the atmosphere, extending over a large tract of country, to be rarefied and heated, during a hot fummer's day, not only by the passage of the fun's direct rays through it, and by . the reflexion of those rays from the furface of the earth into but it; chiefly by the communication of the heat acquired by that furface: the electric capacity of that region of air would be increased, both on account of the heat it undergoes, and of the rarefaction confequent upon that heat: it will then have less than its natural

quantity, or the quantity it is nat turally disposed to receive and abso in that state; it will consequent be, in the language of electriciar negatively electrifed, or in a cravit flate, requiring and forcing suppli from all fubstances capable of affording them, provided it be itself in a co dition to receive them. But how ver craving, it cannot receive the fupplies from the neighbouring reg ons of the atmosphere, while the regions feverally remain in the fta of pure air, (even supposing the latt to possess more than their natur quantities, and thereby as much'd posed to impart, as the former is receive them,) without the interve tion of non-electric conductors; a that, owing to the impermeability air, as fuch, to the electric flui This I shall endeavour, 1. To illu trate by experiments made with gla 2. To prove by experiments ma upon air itself.

1. If a pane of glass be coated a both fides, by the application plates of tin to them, the glass m. be charged in the fame manner, as t Leyden phial: when, after the moval of the plates, (no dischar having previously taken place,) bo fides of the glass will rema charged, one positively, the oth negatively; the former having mc than its natural quantity, the latt being proportionably deficient, at These states bo in a craving state. furfaces will obstinately maintain f a long time: nor do I know of at method of restoring the electr equilibrium between them, but, e ther to immerse the pane in water fome other non-electric fluid, whi will do it instantly, and filently; to re-apply the metalline coatings both fides, as they were placed first, with a good conductor intr duced between them, which will a fwer the fame purpose, and be a tended with an explosion, or fma

[†] Page 297

park and finap; or laftly, to place it a a fituation where it may be exposed to air replete with moift vapours, where, after fome time, the vapours will, by condensing upon each fide, arnish it with a moifture equivalent to a non-electric coating, while the apours, which remain in the furounding air, will, by continually upinging upon, and receding from the two furfaces, at length restore ooth to their natural state.

It is evident, from the foregoing xperiment, first, that the charges efide in the glass itself, as they reanin after the coatings are removed. econdly, that the opposite sides ave a very strong propensity, one a p give, the other to receive the fluid, nul thereby to restore the electric quilibrium between themselves; which is done with violence, as obal erved above, when they are put in condition of doing it by the re-apolication of the metalline coatings, vith a conductor between them; and aftly, that notwithstanding the viplent propensity, in the side of the glass, to restore themselves and each other to their natural electric states, and the small distance between them, they can never effect it, without the ntervention of non-electric conduc-

2. I shall now shew, by other experiments, that different regions or strata of air may become charged, both positively and negatively, in the same manner as the sides of the pane of glass were in the foregoing; and that the effects of such charges are precisely the same.

Meffrs. Wilkie and Æpinus at Berlin, having the hint naturally fuggefted to them, by a previous course of experiments, endeavoured to give the electrical shock by means of air, in the same manner, in which it may be given by glass; "in which, after making several attempts," says dr.

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Priestley*, "they at length succeeded, " by suspending large boards of wood, " covered with rin, with the flat fides " towards one another, and at fome "inches afunder. For they found " that upon electrifying one of the "boards positively, the other was always negative. But the disco-" very was made complète and in-"disputable, by a person's touching " one of the plates with one hand, " and bringing his other hand " to the other plate; for he then re-" ceived a shock through his body, " exactly like that of the Leyden "experiment. With this plate of " air, as we may call it, they made a " variety of experiments. The two "metal plates, being in opposite "flates, strongly attracted one ano-"ther, and would have rushed toge-" ther if they had not been kept a-" funder by the strings. Sometimes "the electricity of both would be " discharged by a strong spark be-"tween them, as when a pane of "glass bursts, with too great a "charge. A finger, put between " them, promoted the discharge, and " felt the shock. If an eminence " was made on either of the plates, " the felf-difcharge would always be " made through it; and a pointed " body, fixed upon either of them, " prevented their being charged at " all."

To the foregoing relation of the experiments themselves, I shall subjoin the conclusions drawn from them, by the curious electricians who made them, in the words of doctor Priestley, viz. "The state of these two "plates, they", Wilkie and Æpinus, "excellently observe, justly re-" presents the state of the clouds and "the earth" (and perhaps of diffe-

NOTE.

* Page 243.

rent clouds, at various heights, one over another) " during a thunder " ftorm; the clouds being always in " one state, and the earth in the op-" posite; while the body of air be-" tween thein, answers the same pur-" pofe, as the fmall plate of air be-"tween the boards, or the plate of " glass between the two metal coat-"ings, in the Leyden experiment. "The phenomenon of lightning is " the bursting of the plate of air by "a spontaneous discharge, which is " always made through eminences; " and the bodies, through which the " discharge is made, are violently " fhocked."

As in the former experiment, made with the pane of glass, the charges both positive and negative, reside in the glass itself, and not in the coatings, those remaining, after these are removed; fo in the latter, which is completely analogous to it, the charges are accumulated, and reside in the air fituated between the boards, and not in their tin linings, which ferve only as conductors, to distribute the fluid equally over, or to convey it equally from, the whole furface of air which is limited by, and in contact with them, on either fide; whereby the whole of each furface may be equally charged, at the same time, or discharged by the same explosion.

If two or more regions of the atmosphere, when free from vapours, become thus differently electrical in their state and capacities, which, that they may, from the heat and confequent rarefaction in a fummer's day, we have already feen, and perhaps from a variety of other causes to us unknown-and if, from the contrary currents of air, which frequently take place, at different heights, they should perchance become fituated one over or adjacent to another, like flrata of minerals within the bowels of the earth—what the metalline coating is

to the pane of glass, or the tinned boards to the plate of air, in the last experiment, the fame would clouds, formed and floating therein, be to these regions of air; the electric equilibrium between which might be restored through their intervention, either by spontaneous discharges through the pure air between them, in severe flashes of lightning, or through the falling drops of rain, which in their fuccessive descent, form a chain of natural conductors between one region of the air and another, and betwixt each of them and the earth; the passage of the electric fluid through which, would also be attended with lightning and thunder, but not fo fevere as when the discharge is made through the pure air; the most fatal lightning usually preced-

ing the fall of the rain.

It is not uncommon, during the rise and progress of a thunder storm to see different sets of clouds, at vari ous heights in the atmosphere, moving promiseuously in all directions as though they were impelled hithe and thither by contending winds when probably the whole phenome non arises from the different electri cal states of the regions of the air, it which they float; as they approach one or other of which, they are at tracted or repelled, and move accord ingly, communicating, receiving or transmiting the electric fluid, t or from them respectively, as the may be either deficient of their natu ral quantity, or possess a redundanc of this finid. And as in the exper ment of messrs. Wilkie and Æpinus mentioned above, the two tin plates with the boards they covered, woul have rushed together, had they no been kept afunder by the strings, I these clouds, floating freely in air and being at liberty to act upo every impulse, gradually coalesce restoring the electric equilibrium t

he neighbouring atmosphere by reeated discharges, as they unite*; till t length they form one dense mass of humid vapours, which precipitatng in a heavy shower of rain, reresh the thirsty soil, leaving the atnosphere above in a homogenous lectric state, calm and serene.

How these clouds are generated, ormed, and adapted to those grand purposes in the economy of lature, is next to be considered: n prosecution of which enquiry, I hall submit the following observations to the candour of the reader.

Whatever the immediate cause of vaporation may be, it is certain hat the superficial moisture of all podies is perpetually exhaling in apours, which ascend into the lighter regions of the atmosphere, where they gather and are formed into clouds, and at length re-condense, descending in dew, mist, or rain upon the surface of the earth, from whence they sprang.

These vapours are either detached in streams from the humid ground, by the influence of the sun, or thrown off by the perspirations of those infinite multitudes of animals and plants, which cover the face of the earth+, or supplied by evaporation, from the ocean, or other grand

collections of water.

Ignorant as we are of the nature of these operations, and of the manner in which they are performed, it is natural to suppose, that the vapours

NOTES.

** It is certain, that, in most thunder florms, the flashes of lightning are chiefly discharged from cloud to cloud; very sew, and frequently none at all taking place between the cloud and the earth.

4 See Hales's vegetable statics, and Chambers's Cyclopedia, under the word, perspiration.

themselves ascend in the same electric flate, whether positive, neutral or negative, with the substances from which they arise. Accordingly, fignior Beccaria, in making fome of his experiments, observed, that "fleam, rifing from an electrified " eolipile, diffuses itself with the same " uniformity, with which thunder " clouds spread themselves and swell "into arches, extending itself to-" wards any conducting fubstance;." This stream then was electrified, as well as the eolipile, from whence it proceeded. The fea must necessarily be supposed, in common with the whole terraqueous mass, to contain just its natural quantity of the electric fluid, and no more: we may therefore conclude, that both the vapours which arife immediately from it, and the air which fustains them, and from its fituation enjoys a more equal temperature, than that over the land, are in the same electrical state with the sea itself, containing neither more nor less than their natural quantity.

Confidering the vast extent of the ocean, and the comparatively small degree of moisture of which the dry land is susceptible, we may conclude, that a very fmall proportion of the clouds, which are formed in the atmosphere are exhaled from the latter, and that the ocean is the grand fource from whence they principally derive their origin. fenses accordingly convince us that the fea air is always replete with moist vapours, even when its natural transparency is not in the least interrupted by them. Hence in a liot fummer's day, when the wind fuddenly shifts from west to east, we immediately perceive a chill from the fea-breeze; and fometimes long

before the thermometer indicates a - NOTE.

‡ Priestley's history, page 327.

change in the temperature of the atmosphere. These vapours, when they first arise from the sea, are generally fo nearly of the same denfity with the furrounding and contiguous air, that the rays of light, in paffing through them, undergo no sensible change in their refraction; they are therefore at first generally invisible; but when the weather is extremely cold, and the air, of confequence, uncommonly dense, they are always visible, and appear like a fleam arising from boiling water*. Not that vapours ascend most copioully in the coldest seasons, which feems contrary both to reason and experience; but that the different densities of the air, next the furface of the water, and of the vapours which afcend in it, render the latter visible, by the irregular refractions of the rays of light in passing through them. For the fame reason, our breath is visible in the winter, but not in warm weather.

Let us now suppose the atmosphere, on a fummer's morning, to be all around in a homogenous state, as indicated by a cloudless sky and a dead calm. As the fun rifes on the eastern coasts of America, and warms and rarefies the atmofphere eastward, the rarested air naturally afcends, and a current of air as naturally flows thither from the apposite quarter, which is but just emerging from the cool shades of night, to supply its place: the confequence of which is a light wefterly breeze. As the fun ascends higher, the air over the land becomes heated and rarefied, both by the paffage of the fun's direct and reflected rays through it, and by the reverberation of the heat, acquired from

NOTE.

* This is always the appearance in a clear, fill morning, when the mercury in Farenheit's thermometer is at o, or below it.

them by the furface of the earth; till at length that whole region of the atmosphere has its electrical capacity enlarged, thereby becoming negatively electrifed, or in a crav-ing state, as observed before. On the contrary, the fun's rays, which fall upon the furface of the sca, especially when rustled by wind, chiefly enter that transparent medium, in which they are refracted and irrecoverably absorbed; very few, comparatively, being reflected; whence very little heat can be reverberated from that element to warm the incumbent air, which is fenfibly affected only by the paffage of the fun's direct rays through it, unless the weather be calm and the furface very fmooth † Besides, it is colder at sea than ashore in the fummer feafon, when, and when only thunder showers are fre

NOTE.

† In a perfect calm, the furface o the fea acts like a mirror upon the fun's rays, strongly reverberating them back into the atmosphere, when the heat is as fenfible upon water a upon the dry land. But wheneve that furface becomes agitated and broken by the force of wind acting upon it, those rays, by perpetually impinging upon an infinite variety of new formed, fluctuating furfaces undergo innumerable refractions, it all directions, whereby they are ab forbed and loft within the fluid mass in some proportion to the violence of the agitation. Accordingly, when the weather is ferene and calm, the furface, like a looking-glass, reflect the phenomena of the sky over head upon the first springing up of ; breeze, it changes to a light blue which deepens to a fine sky-blue a the wind rifes, to a deeper fea-green in a brisk gale, and to a sullen black ness in a storm, excepting wher the waves are interspersed with whit heads of foam, which, by contrall only render the scene more gloomy.

quent, and indeed warmer in winter, or the following reason, viz. as the ea is every moment changing its urface, neither heat nor cold can affect it so soon as they do the surface of the earth, which continues he same.

The air over the land, when horoughly heated and rarefied, naturally afcends into the higher regions, while the denfer air from the ea, necessarily flows in, and takes its place. Hence, probably, the easterly winds which usually spring up near the middle of the day, after a sultry

morning. This body of warm air ascends till it arrives at that region of the atmosphere in which thunder clouds are formed; while the vapours, which are wafted to the continent by the eastern current, being attracted by this now superior air, which demands a fupply of the electric fluid, continually ascend, till they arrive at it, leaving the denfer air, with which they were first connected, behind. As these vapours move freely through and mix with air, they cafily infinuate themselves between the particles of that fluid, and unite with it, whereby every particle of air, which, from the causes aforesaid, is become in any degree destitute of the quantity of electric matter which is natural to it, in its present state, may and will attract and attach to itself one or more particles of this vapour, and thereby furnish itself with a non-electric coating, and thus become qualified to receive from any neighbouring object fuch a supply of the electric fluid, as its state may demand.

Thus provided, this body of air, together with the vapours which are more or lefs attached to every particle of it, will conflicte a denfe cloud; and as the air itself was before (by supposition) in a craving or negative state of electricity—and as the vapours are prefumed to have arisen from the ocean in their natural or

neutral state, the whole body of a cloud formed by them, will still be in a negative state, and thereby constitute a complete thunder cloud; which, when formed, if uniform in density and contexture, should it be attracted within the striking distance from any object standing upon the earth, would have its electric equilibrium restored at once by a stash of lightning darting from the earth; or, should it pass near another cloud in a different state, the stash would restore an equilibrium between the two clouds.

That a body of air, either in a positive or negative state of electricity, while pure, should be incapable of communicating its surplusage of the electric element to, or receiving supplies from the neighbouring regions, though in a contrary state—and that the same air, when replete with watry vapours, may be restored to an equilibrium throughout its whole extent, by an instantaneous discharge—may yet require some further evidence, before it be admitted.

But, as the particles both of air and vapour, are feverally too minute to fail under our notice, I shall endeavour to illustrate by analogy, what cannot be directly demonstrated by experiment. In order to this, I shall first give a general description of, and then subjoin some observations upon doctor Priestley's electrical battery.

This battery confifted of fixty-four cylindrical glass jars, fixed in a square box; the jars were coated within and without with tin foil, and the sloor of the box was covered with the same, whereby the outsides of all the jars formed but one continued electrical surface. In like manner, by means of small brass bars extending over the mouths of the jars in their several ranges, and by wires, which connected the several bars, together with others which descended from them, communicating with the inner coating of each jar, their interi-

or furfaces were fo connected, as to form, in the fame fenfe, but one furface. Thus conftructed, the whole battery is capable of being equally charged in every part at the fame time, and of being discharged throughout, by the same explosion.

Here I would observe, that if, instead of the metalline coatings, the iars were filled with water to the fame height with them, and were immersed in the same order in a fquare veffel of water, to an equal depth, the bars and wire remaining zs before, the fuccess of all the experiments made with thom, would be the fame as above. Let then a batterv be constructed and charged in this form; after which, let the bars and wires aforefaid be removed, and the water, contained in the jars, be decanted off by glass syphons, and let the water be drawn off from the vessel in which they stand. It is evident, from the experiment of the charged pane of glafs, already mentioned, and other experiments, recited in doctor Franklin's letters, that these jars will remain charged, as they were jointly before. They may now, when dry, be taken out, and handled at pleasure, with fafety; nor can they be eafily restored to their natural states, but either by immersing them singly under water, or by replacing the whole apparatus, and filling both the jars, and the box which contains them, with water as at first, and introducing a metalline conductor between the water without the jars, and any one of the wires which connect their infides; then the whole will be instantly difcharged with an explosion*.

NOTE.

* These experiments I never faw particularly made, but the conclusions necessarily follow from some which I have seen, as well as from those pointed out above.

To apply these observations to th present subject, we may regard ever particle of a body of pure+, but in cidentally electrified air, in the famlight with one of the jars in the bat tery aforesaid, which, after having been charged, is deprived of its ad ventitious coatings: each particle like one of those jars, will retain the state it may happen to be in, so long as it remains destitute of a con ducting appendage. But when, and by what means foever, a fufficiency of moist vapours shall become inter spersed amongst these particles of air to furnish them severally with nonelectric coatings, and by the near ness or contiguity of these vapour to form a communication from one to another, throughout the whole they will then be in the same con nected state with the jars in the bat tery, when complete in every part and charged; and like those jars, be the particles ever fo numerous, they will be in a capacity of jointly receiving or communicating the electric fire. And as, by the addition of jars in the construction of the battery, the explosion at the dif charge may be increased indefinitely - fo will the violence of the explosior from a thunder cloud, be increased ir proportion to its extent, and to the multitude of aerial particles, together with their appendant vapours, of which it confifts, and which are fc connected, as to be capable of uniting in the same discharge. But as a thunder cloud is not usually formed at once, but by degrees, fmaller clouds generally forming themselves in separate parties before they join the main body-and as the electrical

NOTE.

+ Pure as to the purposes of electricity, or free from conducting vapours; perhaps pure elementary air is not to be found in our atmosphere ates of these clouds may be very ifferent from each other, from the ifferent electrical states of those arts of the atmosphere in which they ather—the general equilibrium of ne atmosphere over a country, cannot e restored by a single discharge, but accessive stathes will dart from cloud o cloud, and between these and the arth, till at length the whole collected mass of vapour is spent and disolved in rain.

Herea common observation natually occurs, viz. that frequently, aftr, a flash of lightning, a sudden hower descends in large drops. The mutual attraction between the apours and the air, when in this lectrical state, is sufficient to sustain be former, notwithstanding that they re by this attraction greatly contensed, being as it were forced into physical contact, both with the particles of air, and with each other*.

NOTE.

* A gentleman of my acquaintence, who is both intelligent and urious, informed me fome years ince, that he was once upon the top of a mountain in Spain, upon which thunder cloud gathered; that as foon as the cloud became infulated from the mountain, it discharged a violent tempest of thunder and lightning upon the plains below; that he never was fo thoroughly foaked in the most violent shower, as when in the body of this cloud, though without a drop of rain, feeling as if he had been immersed in a river. idea is further justified by the solid appearance of the clouds, that rife in the west, on a hot summer's day, compared with those which float in the atmosphere at other seasons; which shews a manifest difference in their denfity and contexture. And when we observe attentively the several parts of a thunder cloud, the But as foon as the air is restored to its natural electric state by a flash of lightning, this attraction ceases, and the vapours precipitate by their own specific gravity in a heavy shower.

Long and extensive calms, in certain latitudes and feafons, take place upon the ocean, during the continuance of which, the heat is scarcely tolerable+. Where these take place, the air will naturally undergo the same changes, in its density and electric capacity, as the air over the land does in the fummer feafon, and, when fusficiently heated and rarefied, will, in like manner, afcend, its place being fupplied by the denfer air from all quarters without the limits of the calm. This heated and confequently (granting the principles of the present theory) electrical air, when raised to a certain height in the atmosphere, may become as well adapted to the formation of a thunder cloud, from the vapours which are perpetually exhaling from the fea, as the air over the land under the like circumstances. Wherefore, in some lati-

NOTES.

distinctness of their borders and their fwelling furbeloes-how strongly they reflect the rays of the fun, thereby exhibiting the most vivid lights and deep contrasting shades-and on the other hand observe the beautiful effects of their refractive power, in the intense golden skirts which adom the rifing cloud, with a fetting fun behind it-we must necessarily conclude, that, although the vapours, of which fuch clouds confift, are collected and condensed in higher regions of the atmosphere, than are those which usually form clouds at other feafons, yet their denfity and specific gravity is much greater; and they derive their support from the electric principle.

† See note, page 236.

tudes in all feasons, and perhaps in all latitudes in different scasons of the year, thunder storms may as well happen at sea, even at remote distances from land, as ashore,

I now proceed to confider an objection, which may be raifed against the foregoing theory, which I shall first state in its full force, and then endeavour to give a satisfactory an-

fwer to it.

Objection. If the electrification of that body of air, in which a thunder cloud is formed, depends upon the heat it has previously acquired, whence is it that thunder storms are frequently attended with showers of hail, which hail is sometimes so large as to indicate its descent from the coldest regions of the atmosphere.

phere?

Answer. Sir Isaac Newton afferts. from experiments of his own, that "the denfity of the air in the atmos-" phere of the earth is as the weight "of the whole incumbent air." Confequently, the air gradually decreases in density from the surface of the earth to the top of the atmof-The body of air which is supposed in this theory to be qualified by the action of heat upon it, to become a proper fubstratum for the formation and support of a thunder cloud, is thereby expanded and rarefied, and thence becomes specifically higher than it was before: it therefore ascends till it arrives at that height in the atmosphere, at which theairis naturally, from its situation, of the same rarety with itself; and there it rests in equilibrio. region is extremely cold at all feafons, as appears from the testimonics of travellers who have vifited the tops of very high mountains, even under the line. The greater the heat, which this body of air requires below, the greater degree of rarefaction it undergoes, and the higher, of confequence, it ascends in the atmosphere,

where the cold is proportionably mo fevere, than is usual near the surface the earth. But though it was the he: which it acquired below, that first re refied and expanded it, it will by r. means be proportionably re-conder fed by the cold which it meets with i its afcent; for as the heat, which or casioned its rarefaction, decreases un on that account, the pressure of the incumbent atmosphere upon it, de creases as it rifes, whereby its densit may, upon the whole, remain near. the fame; if fo, may we not suppo its electrical state also, previoto the formation of the cloud, 1 continue nearly the same? for shoul this warm air afcend all together: in a body, without intermixing will the denfer furrounding air throug which it rifes, as a bubble of a does in any other fluid, and a this air probably would in a call feafon, the denfer parts of the a mosphere easily giving way to it, ti it arrives at that region, the denfit of which is equal to its own, when it would be at rest; should this, fay, be the case, it would not, eve in that cold region, cool fo fuc denly as to undergo any immedia change in its electrical state, from the natural coldness of the region neither would it be from condenfat on, its denfity remaining nearly th fame, as observed above.

But when the cloud is formed or rather when a number of cloud are forming in the neighbourhoo of each other, and joining the forces preparatory to the tempeft, general confusion takes place in the atmosphere; various and even contrary currents of air flowing promicuously hither and thither, as is evident from the visible irregular metions of detached parts of the cloud. In this general effort of nature, the reflore an equilibrium, some of the aerial currents will probably introduce air, which having been till no

at a distance from the scene of action, has fuffered no material change in its natural electric flate*; and is, on the contrary, fraughtfwith all the cold which is natural to the region of the atmosphere from whence it came. In falling through this adventitious current of air, the drops of rain, precipitating from the body of clouds above, are congealed into ice, and descend in hail, which, as it falls, collects other fnowv or icy particles round it; a hail-stone, when it comes to the ground, refembling dense frow with a nucleus or kernel of folid ice in the middle.

That the air, which this hail-stone falls through, is colder than the region from whence it defeends, may be thus proved, viz. If the freezing took place, where, and as foon as, the vapours were first set at liberty by a flash of lightning, it would be impossible for them ever to unite into drops, but they must descend in the sinest crystals, an assemblage of which constitutes a flake of fnow; the nucleus, or proper hail-stone, must then have been first a fluid drop, and afterwards congealed in its fall through a colder region than that in which it was formed.

It may be further objected, that a thunder cloud, in the eastern parts of America, always makes its first appearance in the west, over the land, its progress being towards the sea; which seems to contradict the supposition in the theory, that the vapours,

NOTE.

* This supposition will be justified by considering, that such is frequently the state of the atmosphere, that the thunder clouds, which are formed in it, are but of small extent: notwithstand which, the change in the state of the air, occasioned by them, is perceived to the distance of many leagues round.

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of which it confifts, are chiefly fupplied from the fea.

To which I answer, 1. That a thunder cloud is with us very rarely indeed fearcely ever-formed in the west, without a sea-breeze springing up previously from the east. 2. That the fea air, as observed before, always abounds with vapours; although, from the causes already affigued, they are usually, at their first rising, invisible. 3. That the first appearance of a cloud will always be where the vapours are first collected into a body and condensed, and thereby rendered visible, which, in a thunder cloud, will be in the west, notwithstanding the vapours, of which it confifts, may chiefly have arisen from the fea. 4. That when a thunder cloudis once formed, it will be in a state of attraction with the earth in general, and more especially so with all fubstances which are natural conductors of the electric fluid, such as the water contained in rivers, bays, arms of the fea, &c. and by thefe the course of a thunder cloud is known to be very fenfibly affected.

But the ocean is the grand object towards which its course will be directed; accordingly, the progress of the clouds is from the western horizon, eastward, be the weather below what it may, not excepting the most violent easterly storms, which are fometimes, though but rarely, accompanied with thunder and lightning.

To the foregoing observations: I would add, 5. That when an extensive thunder cloud is forming in the atmosphere, by means of the mutual attraction of the condensing vapours, and the body of electrifed air, which suffains and condenses them, the increasing density of the whole compound mass of air and vapour will, by degrees, occasion its re-descent towards the earth, from the law of gravity: it will also be attracted by,

and move towards the ocean, upon the principles of electricity; the cloud will then defeend obliquely, in a diagonal between the directions of thefe two powers; and both, continually acting upon it, will jointly accelerate its motion. Such a cloud, if dense and large, would end in a perfect tornado, either upon the land or water, as thunder showers frequently do; fmaller clouds being alfo ufually accompanied with gufts or flurries of wind.

I shall here all one observation more, which I have frequently made, and which may tend to confirm the foregoing theory, viz. That, as the general course of the eastern coast of North America, is from north-east to fouth west; the course of a thunder cloud is usually from the north-west, with the wind at fouth-east, perpendicular to the direction of the coast, and contrary to each other.

Inland feas and great lakes, fuch as are those in North America, may answer the same purposes, in the interior parts of the country, as the ocean does near the limits of the continent, both by affording the necessary supplies of vapours for the formation of the clouds, and by their attractive influence upon those

clouds, when formed.

I now conclude with a few hints, which I fhall throw into the form of

queries.

1. Whatever the primary cause of evaporation may be, does not the formation of vapours into distinct clouds depend upon the electrical flate of the atmosphere?

2. Were the atmosphere always uniformly electrical, could we have any rain*? in that cafe, if evapora-

NOTE.

* Signor Beccaria concludes from experiments, that gentle rains are the effects of a moderate, as thunder showers are of a more plentiful, electricity.

tion be performed independent of electricity, should we not be enve-

loped in everlasting fogs?

3. Mr. Canton Supposes that "the " aurora borealis may be the flashing " of electric fire from positive towards "negative clouds, throughout the "upper part of the atmosphere." But as the air is usually charged more or lefs with vapours, even when perfectly pellucid-and as the most remarkable aurorae frequently appear without a cloud in the hemifphere, may not this phonomenon be rather occasioned by the "flashing of electric fire," from one region or body of air to another, in a different ftate of electricity, through the inter-

vening vapours?

4. May not the reason of its usual appearance in the north, and of its flashing southward, be, that, in every northern latitude, the air to the fouthward is, at all feafons of the year, caeteris paribus, more affected by the heat of the fun than the air northward of the same latitude? and does not this occasion an electrical current to flow from north to fouth. as often as the above-mentioned circumstances concur, though with some interruption from the irregular difposition of the conducting vapours? and may not this occasion those gleams and ftreams with which this phenomenon is usually attended?

Address to the minority of the convention of Penntylvania. (Continued from page 168.) NUMBER II.

Gentlemen,

HE principal object of my last paper was to point out a variey ty of instauces, in which the agencand powers of the flate governmentare absolutely necessary to the existence of civil fociety, and to the execution of the federal conflitution its felf. I therein particularized certain

important matters necessary to be done from time to time, which cannot be attempted or performed by the general government. Here, then, we find, not only that the state powers will not be annihilated, but that they are so requisite to our system, that they cannot be dispensed with.

Having from what congress cannot do, let us now proceed to examine what the state governments must

or may do.

First, then, each state can appoint every officer of its own militia, and can train the same, by which it will be fore of a powerful military support, attached to, and even part of itself, wherein no entire of any other state can be a private centivel, much less have insured.

ally. Every regulation relating to religion, or the property of religious bodies, must be made by the state governments, since no powers, affecting those points, are contained

in the constitution.

3dly. The flare legislatures and conditutions must determine the qualifications of the electors for both branches of the federal government; and here let us remember to adhere firmly, within our respective commonwealths, to genuine republican principles. Wildom, on this point, which lies entirely in our hands, will pervade the whole system, and will be a never-failing antidote to aristocracy, obligately, and monarchy.

4thly. Regulating the law of defeents, and forbidding the entail of landed effates, are exclusively in the power of the flate legislatures. A perfect equality, at least among the males, and possibly among the semales, should be established, not only in the strick line of descent, but in the most remote collateral branches. If a man omits to make a will, the public should distribute his property equally among those who have equal presentions, and who are able

to render equal fervices to the community. By these means, poverty and extreme rickes would be avoided, and a republican spirit would be given to our laws, not only without a violation of private rights, but consistently with the principles of justice and sound policy. This power, with that mentioned under the last head, if exercised with wisson and virtue, will preserve the seedom of the states beyond any other means.

5thly. The elections of the prefident, vice-prefident, fenators, and reprefentatives, are exclusively in the hands of the flates, even as to filling vacancies. The fmallest interference of congress is not permitted, either in prescribing the qualifications of electors, or in determining what perfons may or may not be elected. The clause, which enables the federal legislature to make regulations on this head, permits them only to fay at what time in the two years, the house of representatives it all be chofon; at whit time in the fix years, the fenate shall be chosen; and at what time in the four years, the prefident shall be elected; but these elections, by other provisions in the conflicuion, must take place every two, four and fix years, as is declared in the feveral cases respectively.

6thly. The flates will elect, appoint, and commission all their own officers, without any possible interference of the federal government.

7thly. The fintes can alter and amend their feveral conflitutions, provided they do not make them ariftocratical, oligarchic, or menarchical—for the federal conflitution refirains them from any alterations that are not really republican. That is, the fovereignty of the people is never to be diminished or defroyed.

Sthly. The states have the power to erect corporations for literary, religious, commercial, or other purposes, which the federal government

cannot prevent.

9thly. Every flate can always give its diffent to federal bills, as each has a vote in the fenate and house of representatives, secured by the constitution. Hence it appears, that the state governments are not only intended to remain in force within their respective jurississions, but they are always to be known to, and have their voices, as states, in, the sederal councils.

tothly. The flates are not only to elect all their own officers, but they have a check, by their delegates to the fenate, on the appointment of all federal officers.

11thly, The states are to hold separate territorial rights, and the domestic jurisdiction thereof, exclusively of any interference of the sederal

government.

12thly. The states will regulate and administer the criminal law, independently of congress, so far as it regards mala in se, or real crimes; such as murder, robbery, &c. They will also have a certain and large part of the jurisdiction, with respect to mala probibita, or matters which are forbidden, from political considerations, though not in themselves immoral; such as unlicensed public houses, nuisances, and many other things of the like nature.

13thly. The states are to determine all the innumerable disputes about property, lying within their respective territories, between their own citizens, such as titles and boundaries of lands, debts by affumption, note, bond, or account, mercantile contracts, &c. none of which can ever be cognizable by any department of the sederal government.

14thly. The feveral states can create corporations, civil and religious; prohibit or impose duties on the importation of slaves into their own ports; establish seminaries of

learning; erect boroughs, cities, and counties; establish and promote manufactures; open roads; clear rivers; cut canals; regulate descents and marriages; license taverns; alter the criminal law; constitute new courts and offices; establish ferries; erect public buildings; fell, lease, and appropriate the proceeds and rents of their lands, and of every other species of state property; estapoor-houses, hospitals, and houses of employment; regulate the police, and many other things, of the utmost importance to the happiness of their respective citizens. In short. besides the particulars enumerated, every thing of a domestic nature must or can be done by them.

In addition to this enumeration of the powers and duties of the state governments, we shall find many other instances under the constitution, which require or imply the existence or continuance of the sovereignty and severalty of the states. The following are some of them:—

All process against criminals, and many other law proceedings will be brought by, and run in the name of, that commonwealth, in which the offence or event shall have taken place.

The fenate will be representatives of the several state sovereignties.

Every flate must fend its own citizens to the senate and to the house of representatives. No man can go thitker, but from the state, of which he is a complete citizen, and to which, if they choose, he shall be sworn to be faithful.

No state shall, on any pretence, be without an equal voice in the senare, and a vote in the house of representatives.

Any flate may repel invafions, or commence a war under emergent circumstances, without waiting for the consent of congress.

The electors of the president and

e-president must not nominate re than one person of the state to ich they respectively belong: so eful is the federal constitution to ferve the rights of the states.

In case of an equality of votes in election of the prefident or vicefident, a casting voice is given to states, from a due attention to ir fovereignty, in appointing the infible head of the federal govern-

The president of the united states y require written communications m the governors of the states.

Provision is made for adjusting erences between two states-or flate and the citizens of another. w states may be admitted into the op. As all the territory of each e is already in the union, it is ar that any district is expected to id on different ground, when erectinto a state, from what it did en it composed a number of couns, or a part of an already existing mber of the confederacy.

Two flates may not become one, thout the consent of congress; ich proves clearly that the conition held the severalty of the tes necessary. This is directly opfite to your idea, that confolidatiwas intended. Each state and federal jufficiary are to give faith deredit to the records and prodings of every other state.

The states have, in the federal conution, a guarantee of separate reblican forms of government.

Two thirds of the states in the profed confederacy can call a convenn; not two thirds of the people. Three fourths of those states can er the constitution; not three arths of the people.

From this examination of the prosed constitution for the united tes, I trust it will appear, that, ough there are some parts of it, lich, taken separately, look a little like confolidation, yet there are very many others, of a nature which proves, that no fuch thing was intended, and that it cannot ever take

It is but fince the middle of the prefent century, that the principles and practice of free governments have been well understood; political fcience having been much flower in its progress than any other branch. Perhaps this has been caused by the greater degree of passion, to which, from its nature, this department of knowledge is subjected. The principles, on which free fovereignties ought to confederate, is quite a new question, and a new case. It is difficult, therefore, to take it up at once in the proper way. One circumstance has exceedingly obscured the subject. and hid the truth from the eyes of many of us. Most of the states being in the possession of free governments, fome have looked for the same forms in a confederating instrument, which they have justly esteemed in their feveral focial compacts. Recommending this distinction as necessary to be taken home to your minds, when you examine the great subject before you, I thall cease for the present to trespass on your time.

A Freeman.

A view of the principles, operation, and probable effects of the funding fiftem of Pennsylvania-together with some observations on the effects of a finking fund-tending to shew, that this state, by a proper application of her present resources, may redeem the whole capital of her funded debt in a few years.

" Public credit is public wealth."

(Continued from page 182.)

OUR means are not less, in proportion to our debt, than those of Great Britain were at the time alluded to, and our advantages in the use of them may be, in many respects, greater; when our federal government shall be properly organized, which it is the with and the hope of every patriot may speedily happen, these means and these advantages may be put in proper operation by the united states. In the mean time, a curfory review and examination of the principles, operation, and present fituation of the funding syftem established in Pennsylvania, may convey information, not less pleafing than useful, to many of the citizens, and may possibly suggest hints which may be improved to

public advantage.

The citizens of Pennsylvania had become, during the war, larger creditors of the united flates, than the citizens of any other state, especially in that part of the public debt which was contracted by loans. The ceffation of the payment of interest in bills of exchange, according to the original contract, on which a confiderable part of these loans was made, was therefore more deeply affecting and alarming to them than to others. They addreised congress by remonstrance and petition. Stating in pathetic terms the wretchedness of the fituation to which they were reduced, and imploring relief; but the paramount necessities, created by the pressure of the war, occasioned a temporary suspension of the operations of justice to individuals, and left them without hope of speedy relief from that quarter. They then applied to the legislature of the state, fuggesting the reasonableness and propriety of liquidating, on the whole, a burden which every one with eafe could bear a proportionate part of, though oppressive to the individuals on whom it partially rested. On this application, the legislature were pleafed to make provision for the payment of one year's interest, as a temporary relief; and afterwards to

make further provision for the pa ment of the interest annually, un congress should be enabled to ma permay nt provision for discharging or funding the whole of the pub. debts contracted during the war.

By an act passed the 16th March, 1785, the legislature, in a der to make provision for the pa ment of this interest, as well as co tain other payments therein men oned, appropriated certain revenu to form a fund, viz.

I. The produce of the duties on goods imported from and after the ilt of November, 1784, estimated at the annual fum of

£,75,000

II. The produce of an annual tax, put in operation by virtue of this act, being the annual quota required of this state, in aid of the duties on goods imported, for the purpole of paying the annual interest of the national debt, according to the recommendation of congress, of the 18th of April, 1783, and agreed to by the affembly of this state, by their act of Sept. 23, 1783, 76,945

£. 151,945 17

III. f. 100,000 of the bills of credit to be emitted.

IV. All the arrearages of taxes due on acts passed since the 1st of January, 1732; which arrearages were fupposed to be about £.1400,000.

On this fund, the following mul payments were charged the fame act:

1. To the contintal loan officer, e estimated quota this state of the nual interest of aggregate debt of united states;

the purpose of ring, first, the inest and arrears of crest on such contintal certificates as therein described; the condly, such or interest as the ited states should

reft, - - £.123,932 0 0 II. The annual ineft of the flate bt, which, it was profed, would re-

III. To the late oprietaries annual-for $7\frac{2}{3}$ years (one

par's inflalment twing been otherife provided for,)

IV. For finking

ills of credit, to ommence in the ear 1786, annually,

.-

15,000 0 0

25,000 0 0

f. 183,932 0 o

It was supposed that the bills of creit and the arrearages of taxes would nable the fund to support these annul payments till the proprietary debt applied by discharged and the bills of red't redeemed, after which the fund real't redeemed, after which the fund real be disburdened of 45,000l. or annum.

These revenues were so calculated, a conformity with the system reommended by congress, on the 18th of April 1783, as to enable the state to be in constant readiness to conform to that system on her part, whenever it should be acceded to by the other states. And provision was made in the act, for conforming to the regulations of congress, whenever they should be enabled to make adequate and permanent provision for paying or funding the whole debt.

Thus flood the flate-fystem of funding, till the requisition of congress, of September, 1785, made some alterations necessary, in order to avoid intersering with continental regulations.

By an act, passed in March, 1786, for complying with the requisition of September 1785, so much of the funding act, as directed the payment of 123,9321 annually to the continental lean-officer, was repealed.

And by another act, passed in the fame month, the holders of fuch continental certificates, as were entitled to draw interest out of the state fund. were authorized to deliver them to the comptroller general, as loans to the flate, and thereupon to receive flate certificates, of equal liquidated value, which would be entitled to draw interest half-yearly at the state treasury; by which means, the creditors would receive their interest with as much punctuality as before, and the state negociate and pay its quota of the indents iffaed by the united states, without putting them into circulation. These alterations, however, brought an additional charge on the fund for that year, though they fomewhat reduced the annual charge upon it afterwards: for, in order to comply with the requisition of September, 1785, it was requifite, belides discounts for interest already paid by the flate, to advance 125,318 dollars to the united states, in specie, which sum was charged upon and paid out of this fund.

This was the fituation of the fund-

ing fyttem, after the alterations made by the act passed in March, 1786; and except the addition of some certificates, admitted by a latter act into the new loan, which were not admissible under the original act, it has undergone no legislative alteration fince. Let us now take a view of its operation and present condition. But in order to do this, it must be disentangled from all other matters, and an account stated of the transactions under it, separate and diffinct from the other business of the treasury. It is much to be regretted, that the accounts of the transactions under this system, have not been kept, and annually stated to the public, in this manner; and it is to be hoped that in future they will be so ordered. In the mean time, the following estimates may ferve to shew how the system has operated hitherto, and afford a pretty just view of its present fituation and circumstances, though they may not be perfectly accurate. No notice is taken, in any of these estimates, of the support of government, the redemotion of depreciation certificates, former emissions of bills of credit, and fome other flate engagements: because other funds are appropriated to those purposes, which either a e or ought to be made adequate to them.

An account of the actual receipts and payments, under the funding fyltem of Pennsylvania, from March, 1785, to the first of November, 1787, as nearly as the fame can be collected from the statements of the comptroller generals.

RECEIPTS.

Bills of credit put into the treasury to be emitted as cash, £. 100,000 0 0 Impost duties for three years, from the

18. of Nov. 1784 to the 18 of Nov. 1787, —fay. — 190,000 o

Taxes, and arrears of taxes, collected from March, 1785, to December, 1786, 148,500 o

Ditto, from thence to the 1st Nov. 1787, 124,667 c

£ 563,167 c

PAYMENTS.

One year's interest
paid in 1785, through
the hands of the continental loan-officer,
248,446. 84 dollars,
equal to - £.93,67 12

Paid to the united flates, to complete the specie payment directed by the act of March 1786, 125,-318 dollars, 46,99

Two years' interrest paid by the statetreasurer on new loan
certificates, 228,103 15

Four years' interest paid on the original state debt, 40

Bills of credit cancelled, 40,000

£.448,735 18

Balance in flock, £.114,431 1

Whatever the true balance may it is not suppered that the whol actually in the treasury. Twenty thirty thousand pounds of the dut may be yet outflanding; but whever this amount may be, it vecome in hereafter. The resid however, (excepting such fart payments as may have been in made, pursuant to the system) is ther in the treasury, or has been b

owed from this fund, and applied to ther uses. Whatever has been fo porrowed, is to be replaced out of ther funds .- 28,489 dollars of his money appears, by the comproller-general's flatement, to have een paid to the united states, fince ompleting the payment, directed by he above mentioned act, of March 786, and therefore is not chargeable n this fund.

It will be observed, that, in the bove account, no charge is made of ny payment to the late proprietaies. They have received none out f this fund; the first instalment, thich was otherwise provided for, eing not yet all paid. The probale reason is, that they have declined iking farther payments on account f the present state of the bills of redit; and they have a right to let neir demand lie on interest, until nev shall be offered payment in speie. But it may also be observed, hat the furplus of the fund is more han equal to the payment of the hree instalments, which became due o the late proprietaries, at and beore September, 1787, after doing nore than the ordinary performance of is other functions; for, in lefs than wo years and a half, from its establishuent, it hath paid three years' inteeft, on that part of the debt, called he new loan, and four years' interest on the original flate debt, besides dvancing the extra fum charged ipon it, for the united states, and inking forty thousand pounds of the pills of credit.

The following estimate will shew, hat the annual produce of this fund s more than equal to the annual

harges upon it.

Estimate of the receipts and pay ments under the funding fiftem for the enfuing year, that is, from the 1st of November 1787, to the 1st of November 1788.

RECEIPTS. Balance brought forward from last -£.114,432 Impost duties will probably produce -60,000 Annual tax, - Arrears of taxes 76,945 17 0 (there now remain f. 324,000 after a deduction of £, 30,-

lection this year, of 50,000 0 0

£. 301,376 19 3

The annual payments, directed by law, are:

000 for exonerations,) suppose a col-

One year's interest on the funded debt, including new loan and original state certificates, - - - £.124,706 0 0

One year's inflalment to the late proprietaries, - - - -25,000 0 0

For cancelling bills of credit, - - -20,000 0 0

169,706 0 0

Balance to be carried to next year, £.131,670 19 3

Which is £. 17,239 17 6 more than the balance brought forward from last year.

It is to be remembered, however, that three years' instalments, due to the late proprietaries, amounting to £. 75,000, besides interest, remain chargeable on this balance.

Thus it appears, that the revenues appropriated to this fund, com-

puting £.50,000, a year, to be collected out of the arrears of taxes, amount to f. 186,945 17 6 per annum; and the annual payments, charged upon the fund, amount to £. 169, 706, which affords an annual furplus of upwards of f. 17,000, towards paying the arrearages of interest, or to be applied to the finking fund.

But that part of the revenue, which arifes from the arrearages of taxes, must cease in a few years, that is, when the £.324,000, now remaining out, shall have been exhaust. ed. Before that happens, however, the fund will probably be relieved from the payment of £. 45,000 per annum, by the final difcharge of the proprietary debt, and the extinction of the bills of credit. Or, if any part of these should remain undischarged, the surplus or finking fund will be proportionably richer: because the whole sum, requisite to complete these objects, is far short of the amount of the taxes in arrear, after deducting £.30,000 for exonerations of fome of the frontier inhabitants who were driven from rheir habitations by the favages. Let us then suppose the arrearages of taxes exhausted, and the fund exonerated from these payments of £. 45,000 per annum. The estimate will then fland thus:

The current tax and duties produce per annum, - - £.136,945 0 0 Annual interest of the funded debt, - 124,706 o o Annual furplus for the finking fund, £. 12,239 0 0

It may be observed, that, in all the foregoing estimates, the annual interest has been computed on the whole amount of the certificates, issued and expected to be iffued, chargeable on this fund, which remained unredeemed on the Tft of November laft and this is certainly the proper mod of estimating, in order to allow de operation and effect to a finking func But this capital is rated above the fum that actually draws interest from the treasury, even at the present time for, of the original state debt, inclu ded in the estimate, certificates to th amount of f.58,000, have not y been issued, and a great part of their probably never will be. Of the cer tificates, which have been issued, the had been redeemed before the ift. November, 1787, to the amount c £.22,554, of the original state deb and £.57,705, of the new loan And when we confider the continu flow of these certificates into tl land office, by new fales of land, an the payment for old purchases an locations, we may fairly count upc a conflant and confiderable increaof the powers of the finking func especially as the amount, yet remain ing out, of the unfunded certificate receivable in the land office, is t fmall, that those which come in here after must be chiefly of the certifi cates charged upon the fund.

It may not be improper to re mark, that an annual furplus of reve nues, equal to one per centum, o any capital, funded at an interest c fix per centum, would of itself b fufficient to discharge the whole ca pital in a little more than thirt years. The furplus, already formed if it were not for some arrears of in terest yet due, would be little shor of this amount; and when we con fider the probable increase of it, by the means above mentioned, we may indulge a hope, that this funded debt enormous as it may now appear, may be honourably discharged, by the means now in operation, in the course of twenty years, or perhap in less time, if every advantage be fairly improved. This calculation of the power of a finking fund, is

made on a supposition, that the annual furplus of revenues, with its accumulating increase, is to be laid out in the purchase of capital, at full value. It is evident, that in this cafe fuch purchases may be made, at least for fome time to come, on terms more advantageous to the public, and, of course, the debt may be reduced proportionably fafter. And however dishonourable it may be to a state or nation, to facrifice the property of its creditors, by neglecting to make provision for discharging its engagements, it can reflect no difhonour on a state, which fairly funds its debts, and punctually pays the interest, to purchase the principal at market price.

But, in order to effect this definable purpose, a strict adherence to system, and a facred regard to appropriations, are highly necessary, as well in the executive, as the legislative department. If the legislature would regularly and uniformly affign funds for every expenditure they authorife to be made, and oblige their officers fo to form and keep their accounts, as to shew that every disbursement was paid out of, and fairly charged upon the fund affigned for the purpose, it would not only produce reguiarity and order in the business of the treasury, but tend much to promote economy in public affairs. They would better understand the state of their affairs, and more readily perceive the probable effect of their own measures, and one assembly would be lefs likely to roll upon another the burden of providing for the payment of debts, which they have contracted. A legislature, which uniformly devises and establishes the means of defraying every expense it authorizes to be incurred, may be faid to pay as it goes, and will never want credit on fudden and extraordinary occasions, which may require engagements to be made, before the means of payment are established. But on all fuch occasions, it is necessary to the preservation of public credit, to provide for the performance of patt engagements, before new ones are contracted. And a legislative appropriation of a fund or branch of revenue, for the payment of a debt, or the performance of a contract, ought to be as facredly observed and adhered to, as the mortgage of an estate by an individual.

The writer of these observations hopes he shall be pardoned for this' digression. It is far from his intention to give offence, or to meddle. improperly with the business of others; but he conceives it to be, in fome meafure, the duty as well as the right of every citizen of a commonwealth to contribute his mite to the general welfare; and he is not without hopes, that the observations' now offered, may be improved to' public advantage.

If this reprefentation of the principles, operation, and effects of the funding fystem of Pennsylvania, be as just as the writer really believes it to be, it may tend to remove fome prejudices against it, which want of information may have permitted to arise. There is an objection, however, which hath been raifed against it, and which may require more particular notice: It has been faid, that the state has assumed more than its' proportion of the general debt of the united states.

It will be remembered, that at the time this fystem was formed, the aggregate debt of the united states was estimated at something more than forty-two millions of dollars; that the quota of Pennfylvania, as it was computed at that time, and has been ever fince, was little less than' one feventh part, and amounted, by that rule of computation, to fomething more than 5,745,000 dollars. The new loan (including 80,000 dol:

lars which may yet come in) amounted, on the 1st November 1787, to 5,148,994 dollars; part of which having been redeemed, the balance then remaining, on which the state pays interest, was 4,997,779 dollars and 58 ninetieths; -a fum confiderably below the cftimated quota of this stare, of the whole debt, and but very little more, than fuch quota of the domestic part of ir, according to the estimate, published by congress in 1783. That it has in any degree exceeded our proportion of the domeflic part of the debt, has been owing to the citizens of Pennsylvania being original creditors in a greater proportion than others; for none, but certificates originally issued to citizens of Pennfylvania, or paid to their from the public, for supplies, were authorised to be admitted into the loan; and if by possibility a few have unavoidably crept in, which were not fairly entitled, they have probably been but very few, and can bear but a fmall proportion to those which were excluded, by having been alienated from the original holders, before the act took place. In a business of so great magnitude, and involved in circumstances not easy to be investigated, it was hardly to be expected, that general rules could be formed, lefs liable to exceptions, than those by which the admissions to this loan have been governed. state had, by these rules, assumed fomething more than her proportion of the whole, it would have been but an equitable liquidation of a burden, which ought to be borne by the flate, rather than by individuals of her citizens. And if the state may ultimately derive benefit, as well as honour, from the measures by which fne has obtained thefe, and other continental certificates, by being enabled to perform her federal duties with the more case and facility, these meafures may be confidered as acts

of good policy, as well as of jul tice. In order to shew, that this may probably be the case, it may b proper to take a view of the fituatio. in which the flate will be placed, when the import revenues shall be transfer red to the united flates.

Great expectations are formed o the order, regularity, and punctuali ty, which will take place on the adoption of the new plan of govern ment. Let us suppose these pleasing expectations realized. The state wil then relinquish her separate claim t the impost duties, now estimated a 1.60,000 per annum, but the mar keep possession of all her other branch es of revenue, if the can meet and dif charge at the threshold her quota o the demands of the united states. The impost system will probably yield to the federal treasury, revenues suffici ent to fund the foreign debt, suppor the civil government, and other establishments, and do something consi derable towards paying the interest of the domestic debt. Our quota of what may be farther requisite, may be somewhere between one and two hundred thousand dollars. the certificates obtained by the new loan, the state has acquired by other means, certificates to the amount of near one million of dollars; fo that she is possessed of continental certificates which entitle her to demand interest from the united states to the amount of 371,782 dollars per annum.-The greater part of these belong to the funding fystem: whether the rest be added to it or not, the flate may join them in her claims upon the union; and the following estimate may fhew the benefit to be derived from having this in her power, and that the funding is flem may continue uninjured.

Annual interest due from the united states 371,782 dolars, equal to f. 139,418 50 Annual tax, - - 76,945 17 6 Arrearages of tax-5 £. 324,000. Let us uppose they produce manually, till the proorietary debt shall be lischarged, and the sills of credit reecmed. 45,000 0 0

1. 261,364 2 6

Charged thereon. Annual interest of he funded debt, -124,706 0 0

Annual payment o the late proprie-25,000 0 0

Annual redemptin of bills of credit, Annual referve for

finking fund, 20,000 0 0

£. 189,706 0 0

20,000 0 0

Surplus, out of vhich the requisiions of the united lates for the paynent of interest, may

e discharged, - £. 71,658 2 6 Thus it appears, that the flate of Pennsylvania hath obtained a situaion, in matters of finance, more eligible, circumstances considered, than could reasonably have been expected, and probably much better than many of her citizens at this moment apprerend. Her disbursements, under the unding system, do not impoverish, out rather enrich the state. They re distributed among her own citizens, and, by enlivening the circulaion of money, they promote indufry, and facilitate the collection of axes and duties. The internal tax, which scarcely exceeds eight shillings n every hundred pounds, on a modetate valuation of estates, is light, when compared with the object. What patriot will murmur at the payment

of fuch a tax, when he confiders that it is to support a system, which bids fair, in a few years, to revive and eftablish the public credit of the state, discharge her proportion of the publie debt, and do justice to her virtuous citizens, whose zeal in the common cause of their country, induced them to advance their property for the publie fervice, in times of difficulty and diffrefs-in times when many who are now at case, would have thought it a happy compromife, if they could have purchased, with a moiety of their property, the peace, liberty, and fafety which now court their culture and enjoyment?

Let us attend to the language of congress, in their address to the leveral states accompanying the recommendation of the 18th of April 1783. whereby they demanded this tax for twenty-five years, to the precise amount, and for the very purpose, to which it is now appropriated, with this circumstantial difference only, in the mode of application, that what is raifed in the state, is now paid to her own citizens; whereas if it had gone first into the general treasury, a fmall proportion only might have come back to our citizens; the rest would probably have been thought necessary to supply the deficiencies

of other states. "The plan, thus communicated " and explained by congress, must "now receive its fate from their " constituents. All the objects com-" prised in it, are conceived to be of " great importance to the happiness " of this confederated republic; are " necessary to render the fruits of the " revolution a full reward for the " blood, the toils, the cares, and the " calamities which have purchased "it. But the object, of which the

" necessity will be peculiarly felt, and " which it is peculiarly the duty of " congress to inculcate, is the provi-

" fion recommended for the national

" debt. Although this debt is greater " than could have been wished, it is " still lefs, on the whole, than could " have been expected; and when re-" ferred to the cause in which it has " been incurred, and compared with " the burden, which wars of ambition " and of vain glory have entailed on " other nations, ought to be borne, " not only with cheerfulness, but with " pride. But the magnitude of the " debt makes no part of the question. "It is fufficient, that the debt has " been fairly contracted, and that " justice and good faith demand that " it should be fully discharged. Con-" gress had no option, but between " different modes of discharging it. "The fame option is the only one "that can exist with the states. The " mode which has, after long and " elaborate discussion, been preferred, " is, we are perfuaded, the least ob-" jectionable of any that could have " been equal to the purpose. Under "this perfusiion, we call upon the "justice and plighted faith of the " feveral states, to give it its proper " effect, to reflect on the consequences " of rejecting it, and to remember "that congress will not be answeraec ble for them.

"If other motives, than that of "juffice, could be requifite on this "occasion, no nation could ever feel fronger: for to whom are the "debts to be paid?

"debts to be paid?
"To an ally in the first place,
"who to the exertion of his arms in
fupport of our cause, has added
the succours of his treasure; who,
to his important loans, has added
liberal donations; and whose loans
themselves carry the impressions of
his magnanimity and friendship.
"To individuals in a foreign
country, in the next place, who
were the first to give so precious a

"were the first to give so precious a token of their considence in our justice, and of their friendship for

" our cause, and who are membe-" of a republic which was second i " espousing our rank among nation " Another class of creditors is the "diffinguished and patriotic bar " of fellow citizens, whose bloc "and whose bravery have defende " the liberties of their country; wh " have patiently horne, among oth "distresses, the privation of the "Ripends, while the distresses of " their country disabled it from b "flowing them; and who, eve " now, alk for no more than such " portion of their dues as will en: " ble them to retire from the field a " victory and glory into the boso " of peace and private citizenshi " and for fuch effectual fecurity for " the refidue of their claims as the " country is now unquestionably " ble to provide. "The remaining class of cred

" tors is composed partly of such a " our fellow citizens as original." " lent to the public the use of the "funds, or have fince manifeste " most considence in their country " by receiving transfers from the lea "ders, and partly of those who " property has been either advance " or assumed for the public service "To diferiminate the merits of the " feveral descriptions of creditors " would be a task equally unnecess: "ry and invidious. If the voice c "humanity plead more loudly in fa "vour of some than of others, th "voice of policy, no less than e "juffice, pleads in favour of all "A wise nation will never permi "those who relieve the wants o " their country, or who rely most o: " its faith, its firmness and resources "when either of them is distrusted " to fuffer by the event."

THE writer of the foregoing pamphlet has found, on farthe investigation, that fome error were committed in stating the ac-

ount of actual receipts and paynents under the funding system from March 1785, to the first of Novemper 1787, owing chiefly to the imerfect state of the documents from hich he drewhis information at the me of writing. As truth was the bject of his enquiry, and fair and andid information to his fellow citiens, his intention in publishing the sfult, fimilar motives induce him ow to offer the following correcons and observations.

The produce of the duties on oods imported from the 1st of Noember 1781, to the 1st of Novemer 1787, was estimated in the acount alluded to, at £.190,000. This estimate was formed on the best iformation he could obtain at the line, and was intended to be stated ther below than above the true fum. lut the accounts relative to these uties, had not then been so stated s to shew the net produce of the luties appropriated to this system, fter deducting drawbacks, office xpenses, and fuch duties as have been created by subsequent acts of he legislature, and which yet remain inappropriated. This last article, imounting to near £.40,000, occaions a much larger deduction than vas apprehended, and of course leaves els of the aggregate amount for the unding fystem than was supposed. But on the other hand, it appears by report of the comptroller general, ately exhibited to the committee of vays and means, that the other reveiues appropriated to the fystem, have produced more money to the treafury vithin the time mentioned, and that he payments chargeable thereon, rave been lefs than are stated in the aid account. So that on the whole, he balance in favour of the fythem on the ist of November 1787, as a provision towards making the paynents charged upon it, will not be ess than the balance stated in the said

pamphlet, [see page 148] notwithflanding this great deficiency in the amount of the appropriated duties. In another respect, however, this deficiency will have an injurious, though not a fatal effect on the operations of the fystem. The annual produce of the appropriated duties for the current and future years has been estimated at £.60 coo. The year 1786 produced less than f. 40,000. The year 1787 fomething more than f. 42,000. So that although it is again rifing, it may fall fifteen or £. 20,000 short of the estimate. In fuch case the arrearages of interest due to the public creditors, may not be fo speedily paid, nor the finking fund for briskly operative as might be expected, if this fource of revenue were more productive. But if the taxes are collected with decent punctuality, or even as well as they have been collected hitherto, the appropriated revenues may still keep pace with the current payments charged upon them; and the reduction of the capital of the debt by receipts in the land-office, will foon create a finking fund, that, if faithfully managed, may discharge the whole debt in twenty years, or probably in lefs time.

In the comptroller general's late report, in which he states, but £.109,726 17 10 to have been actually received for duties appropriated to the funding fystem within the three years from the 1st of November 1784, to the 1st of November 1787, he fliews that the receipts on account of that fyftem have nevertheless exceeded the payments $f.6_{1,162}$ 2 9. Of the appropriated duties which arofe within that time, about £. 25,000 had not been actually received on the 1st of November, and are therefore left out of the comptroller general's account; but as they arose within the time, and have been fince received, or shortly

will be, they ought to be added to the estimate. There is also charged to the account of this fystem 86,-658 dollars, of the payments made to the united flates, beyond what the legislature have directed to be charged. If these two sums be added to the balance stated by the comptroller general in favour of the fyftem on the 1st of November last, it will shew that this fund had a balance in flock on that day, of about f.118,000, all of which had been actually received in the treasury, except the f. 25,000 then due for duties, the greater part of which has been fince received. Out of this balance, however, three instalments due to the late proprietaries, amounting to f.75,000, together with some interest, remain to be paid.

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Speech of an Indian.

UPON the return of Cornplanter, an Indian chief, to his nation, in the year 1786, he praifed the bleffings of civil government, and proposed to his countrymen to exchange their favage mode of life, for the pleasures of civil society, and offered a plan of government for that purpose. Whereupon Caiashuta, anothe chief, arose, and addressed his countrymen in the following speech, which may be considered as an answer to all that has been, or shall be written against the proposed constitution of the united states.

Brothers,

Before it is forbidden by law to speak every thing we think, and do what we please, I shall take the liberty of bearing a testimony against the government that has been proposed to us.

I thall begin by informing you, that it will deprive us of many of our dearest natural rights. It will

prevent our fishing or hunting upon the grounds of our neighbours. It will take away from us the power of revenge (so sweet to an Indian) and transfer it to certain persons called judges and magistrates. It will prevent our taking as many wives as we choose, and changing them as often as we please. It will compel us to hoe our own corn, and cook our own victuals, both of which are employments fuited only for women. It will restrain us from drinking and fmoaking, by imposing heavy duties upon rum and tobacco; and thereby deprive us of two of the highest pleafures of life. It will punish certain acts which we deem effential to liberty, and a material portion of our dearest rights, with imprisonment whipping, and death. Our young men shall no more train themselves for the delightful pursuits of war by occasional irruptions upon the A formal American hufbandmen. declaration of war, agreeable to the customs of civilized nations, will be necessary to fanctify every murder if we submit to the restraints that will be imposed upon us by civi government. No more will dexterity or fecrefy in stealing, entitle our warriors to praise in peace, or preeminence in war. The pride of our nation, like the oak that yields to the north wind, will then mingle with the dead and noify leaves under our feet. Those hands which never felt a ligature of any kind, shall then be bound in chains. Your backs shall swell with stripes, inslicted by the hands of merciless executioners: and even Caiashuta himself, who now addresses you, and who has so often led you to glory in war, and afterwards placed you in fafety under the tree of peace, shall perhaps be the first victim to a law that shall place him upon a level with a dog, by depriving him of life, not by fire, not by a bullet, not by an arrow,

t by the ignominious punishment the halter and the gallows. Thefe ry locks will then kifs, for the last re, the passing breeze. Caiashuta's ves shall then in vain weep at the t of his angry judges, in hopes obtaining his pardon: and his fons ill be threatened with his fate, for bly fivearing they will revenge this th. And for what shall this neck made like the crane's? For what Il his body feed the birds of the ? Why only for taking a horse of a neighbour's field, to ride on our town, or for committing what white men call treason, that is posing the execution of a law of flate, which was contrary to his erest or inclinations.

Ner, brothers, is this all. We st fubmit to yield a certain pora of the profits of our labour for fupport of this government. e money, exacted from us for this pose, will be called taxes. If we use to pay them, our horses, or tle, or farming utenfils, will be zed by an officer, appointed for that rpose, and sold for the amount of m. If they bring more than is e from us, the refidue will be kept the officer, who fells them. The mber and falaries of the officers government will be beyond calcuion. Nineteen men will be taken m their ploughs, and employed ery day in the year, in an executive uncil, in reading news-papers, d giving away profitable offices. en the fecretary of this body, whose ly business will be to light the fire of counsellors, shall receive, for this vice, 750l. a year. Thus you fee, others, the dangers and oppressions which you will expose yourselves, adopting the most simple form of il government, that can be offered you. It will destroy our heavenorn equality of rank and property. will furnith the means of advanceent to men who are noted for Vol. III. No. III.

" wifdom and virtue," and thereby favour their becoming the lords and malters of their less wife and industrious neighbours. Brothers, our fituation is not fo bad as has been reprefented to you, by fome specious and declamatory orators, in their speeches at a late council fire. Cur cabins are still proof against the snow storm. Our granaries are still filled with corn; and if we have not venison enough for all the families of our nation, the kettles of your head men have never been empty. The fun shines bright through yonder cloud. The great spirit is propitious. We embrace once more the liberty, the independence, and the bleffings of the favage life. Away with all your forms of civil govern-" ment. They have all of them, in their turns, enflaved the nations, that have adopted them. Even the fimplest democracies have been the richell favannas of flavery. Savages alone have preferred their liberties. Who ever heard of an Indian tyrant or flave? shew me the one, or the other, and this tomahawk shall immediately flake its thirst in his blood.

Extract from a memoir of the abbede Commerel, on the culture, use, and advantages of the searcity root.

THE fearcity root is but lately introduced into France. In Germany, where they are much in the use of it, they give it the name of dick ruben, great rape, and, in some places, dick wurzel, the great root, and mangel wurzel, searcity root; because it thrives, and surishes an excellent food for man and beast, when other nutriment is scarce and dear. This root cannot be classed either with the turnip or carrot; and though, both in appearance and H

by its feed, it resembles the beet, yet it greatly excels that root, and seems to form a species of itself. Its culture is so easy, its uses so many, and it supplies so well the place of other forage, that it deserves particular attention, and claims the presence to all other roots, used for the food of cattle. It succeeds in all forts of ground, but best in moist light land.

This precions root is not affected by the vicisfitudes of the seasons, nor has it any destructive enemy. The vine-fretter which ravages every other plant, does not touch it. It is not subject to mildew, nor does the greatest drought stop its vegetation. It does not impoverish the foil, where it grows, but rather improves and renders it sit for wheat, or any other grain, one chooses to sow in it, before winter.

In order to promote the culture of this precious root and infure success, I will point out the time and manner of fowing the feed; of transplanting and cultivating the plants; and of gathering the leaves, which are produced in constant succession, and in great abundance, and are excellent food for cattle. I will then give directions for gathering, curing, and preferving the roots, and point out the time for replanting them, in order to procure feed. I will also point out the manner of preparing the roots, for feeding and fattening large cattle, and raising calves; and then fay fomething of the general advantages to be derived from it.

I. The time and manner of fowing the feed of the scarcity root.

The feed may be fown at any time, from the last of February to the middle of April, when the feason will permit the ground to be prepared. It may be sown either broad-cast, or in rows at five inches apart; and should be covered, at least an inch deep, with good earth. It should be sown thin, because it is large, and

because thereby it is easier weeded and because by that means the plan becomes thrifty and vigorous. The seed is commonly fown in a garden or in a piece of good land, well prepared for the purpose.

II. The preparation of the ground, fitransplanting the roots.

As foon as the feed is fown, becomes necessary to prepare a pier of ground, where the roots ma be transplanted. It is with the roots as with all other plants. more the ground is dunged, ar the better it is prepared, the finand larger will the roots grow, ar the increase of the leaves will be mo. abundant. In an indifferent foil, th roots will not weigh more than for or five pounds, and the leaves cannot be gathered more than four or fi times. But in a good foil, they wi weigh nine or ten pounds, and the leaves may be gathered eight or nir times. In light, fandy, rich foi they grow very large; and fome them will weigh from fourteen 1 fixteen pounds.*

NOTE.

* Although the time for fowir the feed is from the latter end February to the middle of April, y it may be well to fow fome feed ever month, even to June; fo as to have always plants fit to be transplante to any vacant places either in th garden or in the fields. "In 1784, th flies" fays the abbé, " having for times fuccessively destroyed the turning I had fown, I substituted in their place the scarcity roots. This was in th month of August. Nevertheless, gathered the leaves three times; an the roots weighed from three to for pounds. On hemp and flax ground after the hemp and flax is pulled fearcity roots may be planted, an they fucceed very well. And the fecond crop, though of a differer nature, will be worth as much as th first.

II. The time and manner of transplanting the scarcity root.

About the beginning of May, the round being well turned up, either ith the spade or with deep ploughig, and being well dreffed and leelled, either with a rake or a harow, it will then be time to exaine this nurfery. If the roots be om five to fix inches long, and aout the thickness of a goose quill, ley should be pulled up. None of e fibres should be trimmed off, but e top of the leaves may be cut, as commonly done with endive. hen, with a dibble, holes are ade in the ground, from four and half, to five inches deep. ples should be in strait lines, crosng each other, at right angles, in e form of checkers, at eighteen iches distance, one from another. 1 each of these holes, a root is anted, fo as to leave about half an ich of the root above the ground, 'his is a very easy, but a very essenal precaution, without which the ot will not thrive. In twentyour hours, the plants take root. ny person, with a little practice, ray readily plant from eighteen hunred, to two thousand in a day.

V. The first gathering of the leaves, and culture of the roots.

About the end of June, or the eginning of July, when the outer aves are about a foot long, they re first gathered, breaking them off Il round, close to the root; for this urpose, the thumb is pushed down n the infide, to the root of the leaf. are must be taken, not to leave any umps of the leaves, nor should any aves be gathered, but fuch as are ent towards the earth, the heart aves being always preserved with reat care. Fresh leaves will immeiately fprout, and grow more vigooully. As foon as this crop of leaves gathered, the ground should be oed, and the furface of the ground

newly stirred, drawn from the roots, fo that every root may be one inch and an half, or two inches out of ground; so that they will appear, as if planted in a basin, of eighteen inches diameter. In light grounds, it will be sufficient to cut down the weeds, and draw up the earth from the roots. After this operation, which is essentially necessary, nothing more is requisite, but to gather in the leaves and the roots. This is the time, when the roots begin to extend and grow, in an association inches one in the leaves.

grow, in an astonishing manner. V. The product of the leaves, In good land, the leaves may be gathered every twelve or fifteen days.

gathered every twelve or fifteen days. The abbé fays, he has more than once found, that in twenty-four hours the leaves grew from twenty to thirty lines, that is, from two, to two and a half inches long, and eighteen lines, or one inch and a half broad; fo that, at the fecond gathering, they were from twenty eight to thirty inches long, and from twenty to twenty-two inches broad. This, he observes, will appear incredible, until experience demonstrates the truth of it.

VI. Their use for cattle.

Oxen, cows, and sheep, eat them greedily, thrive exceedingly, and soon fatten on them. They are given to them whole, as they come from the field. Dunghill sowls eat them, when cut into small pieces, and mixed with bran. Even horses can soon be brought to eat them, and may be kept upon them the whole summer. But then it will be necessary to chop them in pieces, with the instrument hereafter mentioned, for chopping the roots, and to mix them with chaff or cut straw. Hogs eat them also, greedily.

It is to be observed, that milchcows, which one would wish to keep so, may, without inconvenience, be fed entirely with these leaves, from eight to fifteen days successively. Du-

ring the first days, the quantity of milk is encreased, and the cream is excellent: but if they be kept entirely upon this forage, they foon fatten aftonishingly, and their milk gradually decreases. In order, therefore, to keep the cows to their milk, it will be necessary to mix grass with the leaves, in the proportion of one part of grass to two or three of leaves: or they may be fed with grass once a day, or, every three days, fed one whole day on grass. By this mean, the cows will be kept in fine order. and their milk will be excellent. When there is any appearance of rain, or bad weather, a fufficient quantity of leaves should be gathered, to last two or three days; but the heaps should be frequently turned, to prevent their heating. In planting a quantity of roots, proportioned to the number of cattle to be fed or fattened, one is fure of being supplied with a sufficient quantity of leaves, be the weather what it may, even though there should be a severe and long drought. The abbé observes, that he attempted to dry the leaves, and to use them for dry fodder, but did not find it answer.

VII. The use of the leaves for men.

The leaves furnish a wholesome and an agrecable nutriment for men; they are eaten like beets, but they have not the earthy tase of the beet, but rather that of the artichoke. They may be dressed different ways. When dressed like spinage, many give them the preference. The roots may be boiled and eaten in the winter. The leaves, produced by the roots in a cellar, furnish also a delicate sallad in the winter.

VIII. The gathering of the root.

The first coming of hard frost determines the moment for gathering in the roots. Fine weather should be improved for this precious harvest, even at the risque of beginning some days sooner, than might otherwise be

necessary. It is of importance the preservation of the root, that be flored without moisture. T day being fixed on, the roots shor be pulled in the morning, and left the ground, that the fun and air m dry them. Children follow the pu Iers, and cut off the leaves close the root. This may be done wh. they are in the ground, the evening or fome days before the pulling. the evening, the roots are gather into heaps. If they are well aire they are then put under cover in cellar, or other dry place, out of tl reach of the frost. If there her danger of rain, they may be left c the ground all night, and carried ne. day to the magazine or place of deposit. When the weather will ac mit of their being left in the a two or three days, it is of great an vantage in preferving them. The should be handled gently in loadin and unloading them; for as the have a very thin skin, they are easil bruifed, and then they do not kee fo well.

IX. The choice of roots to be refere

The time of gathering is the tim for felecting roots proper for feed. The only roots proper for this, at those of a middling fize, ever smooth, the outside of a rose colour and inside white or marbled with round white. These are the marks to designate those which ought to be seapart for this purpose. Those which are all white or all red, are eithe degenerated or real beets, the sea of which has got mixed with that of the scarcity. The roots, designer for feed, must be kept by themselve in a dry place entirely out of the reach of mostiture, or frost.

X. The time and manner of replanting the roots to bear feed.

In the beginning of April, the roots, defigned for feed, should be planted deep in the ground, at the listance of three seet one from the oher. As their tops shoot up to the neight of five or six seet, it is necesary to give them supporters. There hould be poles sluck in the ground foot and a half deep, and standing bout seven feet above ground. They hould be interlaced with rods or oughs to form a kind of espalier; nd to this espalier, the tops should the fastened, as they grow, that the sind may not break them.

(1. The gathering of the feed, and manner of preferving it.

The feed commonly ripens about he end of October. It should be athered immediately, at the coming of the first white frost. The tops are hen to be cut off, and, if the weather still permit, may be hung up to dry, gainst a wall or fence. If the weather is bad, they should be tied in andfuls, and hung up under cover, a nay airy place, until they be quite ry. The feed is then beat off, and out into bags, and so kept, like other rarden feeds.

Every root will produce from ten

o twelve ounces of feed.

II. The way to prevent the roots from degenerating.

The feed of the fearcity root degenerates, like all other feeds, unless are is taken, to change the ground very year, or, at leaft, every two years; that is to fay, by fowing on trong land, what was raifed on light andy land; and on a light foil, what was raifed on heavy ftrong ground. So that farmers, who occupy different forts of foil, may muually oblige each other, by exchanging their feed. The feed will keep good for three or four years.

III. How to preferve the roots, from November to the end of June.

If the crop be large, and cannot ill be housed, then, some days before gathering, trenches should be made in the same field, or in some other place, not liable to be covered with water in the winter. After leaving the trenches open eight or ten days, to dry, cover the bottom and fides with straw, and upon that, lay the roots, handling them gently, and taking care that they be well cleared of earth. Then coverthem with straw, and upon that, lay the earth, taken out of the trench, three feet thick, beating down the earth, and forming it into a heap, highest in the middle, that the water may easily run off. XIV. The dimensions of the trenches,

The dimensions of the trenches should be proportioned to the elevation or declivity of the ground. They may be from two to four feet deep. Their length will depend on the quantity of roots to be buried. Their width is commonly $3\frac{1}{2}$ feet. As these roots will keep without fpoiling, to the end of June, it will be well to make a number of trenches, viz. one for the confumption of every month. beginning with March, the time when the winter provision, kept in the cellar, is commonly out. reason for making several trenches is, because the roots, if exposed to the air, after they have been for a long time kept from it, are apt to spoil. This inconvenience may be prevented by multiplying the number of trenches.

XV. The necessity and manner of

making air bales.

Every trench should have an air-hole, by which the fermentation from the roots may exhale. Without this precaution, the roots, kept under ground, will spoil and rot. The manner of making air-holes is this; before any thing is put into the trench, fix, in the middle of it, a pole fix or seven feet long, and two inches diameter, or between fix and seven inches round; then lay your roots in the trench, forming them into a ridge, highest about the pole. When the trench is full, and the roots raised in the middle, half a foot above the

level of the earth, then twift a hay rope, of an inch thickness, about the pole, taking care not to draw it too tight: then throw on your earth, and beat it down as mentioned before.

When the trench is thus covered, and made into the form of a grave, then draw out the pole. The hay will remain in the hole, and through this the exhalations occasioned by the fermentation of the roots, will readily escape. After some days, the hole may be covered with a hollow tile, and when hard frost comes on, it should be covered with a flat stone. XVI. How to prepare the roots for feeding bealts.

To induce beatts of all kinds to eat these roots, they should be washed clean, and then cut in pieces. instrument, used for cutting them, is made of a plate of iron, a foot long, and two inche broad, formed in the figure of an S. In the middle there is a focket about fix inches long, in which is fitted a wooden handle, about 31 feet long. With this instrument, the roots are eafily cut in a trough kept for the purpose. A man can, in an hour, chop as many as will ferve 12 oxen a whole day. Before the roots are thrown into the trough, they fhould be fplit, and cut in quarters. It is of advantage to cut the roots very fmall; cattle thereby receive more benefit from them.

XVII. For feeding horned cattle.

Prepared in the manner above directed, the roots may be given, without any mixture, to horned cattle and theep, especially if they are for fattening. But if it be necessary to use economy in the consumption of the roots, then a quarter, or more, of chopped hay, or cut straw, may be mixed with them. It will be well to do this for the three or four first weeks for a lean beast, which is put up for fattening; clover, fain-foin, suzerne, &c. are the best for this purpose.

The Dutch cutting-boxes will rende this work light and eafy.

XVIII. For horses.

Horses may be kept the whole winter on these roots, by mixing them half and half with cut straw o hay. Fed in this manner, they will be fat, vigorous, and sleek. Bu when put to continual hard labour they should have at times some grain.

Hogs will also eat the roots, mixed with the wash commonly given them. They fatten on them as well, if no better than on potatoes.

XIX. The daily allowance for differ

ent beafts. The quantity of roots, given to different beafts, will depend on the quantity of dry forage given them in addition; for they should every day have a little dry forage, before they are watered. The quantity must be proportioned to the fize and largeness of the beast. It should also be proportioned according to what the beaft is defigned for. Those, which are for keeping, should have less than those put up for fattening. As the fize of the roots is greater or finaller, according to the goodness of the soil where they grew, the quantity cannot be determined by the number. Weight would be more certain, but every one has not conveniences for weigh-

The abbé then proceeds to fay, that, from 16,000 roots planted in May, 1785, on two arpents of land, Heidelberg measure, which is about an English acre, he fed seven cows and three calves, constantly, with the leaves, from the beginning of July to the fifteenth of November; and with the roots from the 20th of November to the summer following. The cows were fed twice a day, at each feeding, with 16 or 18 pounds of roots, mixed with one quarter as much cut

raw or hav. Their milk was as good and as plentiful, as in fummer, nd they were kept in excellent conition.

XX. How to fatten beeves.

I put up (fays the abbé) four very an oxen to fatten. They were fed wice a day, each with twenty pounds f roots, mixed with five pounds of cut ay, of the first or second crop. In bout a month, by the advice of a fenble farmer, I withdrew the hay, and abilituted five pounds of roots inead of it. They were fed two months rith roots only, and then were fuffiiently fat to be fold. They always at their food greedily, because it is ender. I found it best to feed both xen and cows, two or three times a ay; as they fatten the faster for , and as nothing is wasted or lost, hich is not the case, when they have : all at once. From this it is easy calculate, how many roots are neessary to keep a cow, or fatten an It commonly requires four nonths to fatten an ox, on other ood; but with these roots, or with he leaves, it will fatten in three. IXI. The quantity that may be raised

from an acre. An English acre contains 160 verches, each perch 161 feet square, and each foot 12 inches square: it nay be divided into 18,600 squares, of 18 inches diameter. However, naking abatement, let us suppose 16, or even 15 thousand, if the land be even of an indifferent quality; it is afy to conceive what an immense quantity of wholesome nutriment nay be raifed off an acre, and much nore, if the foil be fuitable, and a

XXII. Advantages of this culture. Besides the advantages already nentioned, the scarcity root has this n its favour, that it is a fure crop, not subject to the uncertainties of the easons. It supplies plenty of food for

torses and cattle, which are housed;

ittle manure added.

and therefore provides a plentiful fupply of dung, which is indifpenfably necessary in agriculture; it will keep down the price of other forage. and enable the farmer to increase his flock, and thereby increase the profits of a farm.

XXIII. How to raise calves, weaned at twelve days old.

The scarcity of forage often obliging farmers to kill their calves, it is important for them to be informed. that, by the use of this root, they may wean their calves at ten or twelve days old, and, with a little care and trouble, rear them in the following

When the calves are three days old, they should be presented every day with a little milk, Juke-warm, in a wooden vessel; no matter whether they drink it at first or not; it is sufficient if they wet their lips with it. In eight or ten days, they will come to drink it; they should then be weaned: but the whole milk of the dam should be given to each calf, morning and evening, for three or four days: at noon, instead of milk, they should be presented with luke-warm water fprinkled with a little flour. When they are twelve days old, they should not any more have pure milk night and morning, but only lukewarm water, mixed with bran and a little milk. This should be continued for four or five days, proceeding as follows: On the fourth day, present to each calf, from time to time, a little bran; when it begins to lick it, then put before it a handful of bran, and continue this for twelve days, by which time it will learn to eat. The food should be put in a proper place; which should be cleaned well, every time fresh food is put in. Aster these twelve days, give them three times every day, scarcity leaves, chopped and mixed, with one-third bran, and twice a day whitened water to drink. If it be

winter, the roots will supply the place of leaves. When the calf is four or five weeks old, the bran may be withdrawn and cut hay or straw substituted in its stead, mixed with an equal quantity of roots or leaves. Whatever the calf leaves, should be removed, and it should always be ferved with fresh provender, to prevent disgust. In this manner, the abbé says, he has found by experience, that calves may be very well raised.

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Mr. Carey.
Enclosed I send you an extract from the tour of Arthur Young, esq. in Ireland—The testimony of this gentleman, an eye witness of the fact related, must place it beyond the possibility of a doubt, or supposition of mistake or error. If the publication should induce any of our country gentlemen to try the experiment, I shall be more than paid for the trouble I have taken in communicating it to you.

A. B.

On the use of oxen in husbandry.

I ORD Shannon, upon going into tillage, found that the expense of horses was fo great, that they eat out all the profits of the farm, which made him determine to use bullocks: he did it in the common method of yokes and bows; but they performed fo indifferently, and with such manifest uneasiness, that he imported the French method of drawing by the horns: and in order to do this effectually, he wrote to a person at Bourdeaux, to hire him a man who was practifed in that method. Upon the correspondent being applied to, he represented difficulties attending it, the man who was spoken to, having been in Germany for the fame purpose. Upon which, lord Shannon, gave direc-

tions, that every thing should be bought and fent over, which the labourer wished to bring with him. Accordingly a bullock of the best fort, that had been worked three years, was purchased; also a haycart, a plough, harrows, and all the tackle for harnefling them by the horns, which, with the man, were fent over. His falary was to be four hundred livres per annum, with board, &c. The bullock coft two hundred and eighteen livres; tackle for two bullocks, thirty-fix : two carts, three hundred and fourteen: a plough and harrow, one hundred and twenty-three; which, with other expenses, came to forty-five feventeen stillings-and freight, fixteen pounds ten shillings. Upon the whole, the experiment coft, from first to last, to bring it thoroughly to bear, about one hundred pounds. His lordship is persuaded, that the first year of his introducing it at large on his farm, faved him the whole. He has purfued the method ever fince, and with the greatest fuccess. He finds the bullocks so perfectly at their case, that it is a pleafure to fee them. For first breaking uplays, and for cross-ploughing, he uses four, but in all succeeding earths, only two-not more for the first ploughing of stubbles. I faw fix ploughs doing this in a wheat stubble, and they did it five or fix inches deep with great eafe. Upon first introducing it, there was a combination among all his men against the practice; but lord Shannon was determined to carry his point in this matter. He followed a course that had all imaginable fuccefs—One lively fensible boy took to the oxen, and worked them readily. His lordship at once advanced this boy to eight pence a day: this did the business: others followed the example, and fince that, he has had numbers, who could manage them, and plough as

ell as the Frenchman. They plough acre * a day with eafe, and carry ery great loads of corn, hay, pals, &c. Four bullocks, in the rench cart, brought twelve barrels f coals, thip measure, each five cwt. r three tons: but the tackle of the ore couple breaking, the other two rew the load above a mile to a forge. 'wo of them drew 35 cwt. of flag one three miles, with eafe: but lord hannon does not, in common, work iem in this manner: three tons e thinks a proper load for four illocks. Upon the bailiff's menoning loads drawn by those ox-1, I expressed many doubts-his rdthip immediately ordered the rench harvest cart to be loaded, half mile from the ricks-it was done-2,200 sheaves of wheat were laid up-1 it, and two oxen drew it without fficulty. We then weighed forty eaves, the weight 251 lb. at which ite, the 10,200 came to 6475 lb. or pove three tons, which is a vast eight for two oxen to draw. n very much in doubt whether 1 yoke they would have stirred ie cart so loaded. The use of yokes out of the question. The only omparison now wanting is with ollars.

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Sport account of the planet Herschel.

By Benjamin West, esq. F. A. A.

TIME, ever pregnant with wonders to be unfolded, has at length tought to our knowledge another lanet of our fystem, which has been precaled from the eyes of mortals, wer fince the creation. Great are ne works of the Deity! his mysteries ow inscrutable! even by the most

NOTE.

* 1 3/3 acre, English or American easure.
Vol. III. No. III.

firich attention of the human fagacity. The mind of man never fatiated with knowledge, will undoubtedly go progretfively on—ftill making more new and inarvellous discoveries in the works of nature.

As much has been faid, and little written, by the American philosophers, on the subject of this newly discovered star, I thought it a tribute due to my fellow-citizens, to give them this short account of it; and that it was first discovered to be a planet, by mr. Herschel, after whom the planet is named. The British aftronomers, contrary to all the other astronomers in Europe, have named it the Georgium Sidus, after the king of Great Britain; but, let the Americans, in agreement with the French and German philosophers, hereafter diffinguish this planet by the name of the Herschel.

I know of nothing which led mr. Herschel to direct his optic tube at this star, more than mere accident. From the best accounts, which I can get, it was some peculiarity in its colour, different from the rest, that cansed him to give more than ordinary attention to it; + and, from repeated observations, he sound the star made sensible changes of place from time to time; was thence led

NOTE.

† October 2d, 1782, mr. Herfchel mentions some part of his apparatus, wherein he endeavoured to imitate the colour of the star; says, he
was struck with the different colour
of its light; which brought to his
mind certain stars in Andromedæ,
Bootis, Hercules, Cygni, and other
coloured stars. The planet unexpectedly appeared bluish. October 22d,
the planet was perfectly defined with
a power of 227; had a fine theady
light, of the colour of Jupiter, or
approaching to the light of the moon.
I

to conclude it was a planet of our fystem. It is but reasonable to suppose this discovery was immediately communicated to all the aftronomers, and philosophers, in Europe; and the first, whom I found attempting any calculations of its motion, was mr. De la Lande, who, in a letter to the authors of the Journal des Scavans, printed in Paris, writes thus:

"Gentlemen, "In your journal for February, 1782, you have given the elements of the circular orbit which I had calculated for the new planet, which has been discovered by mr. Herschel: that calculation was found to err 1, about the beginning of the present year; and the errors were fuch as shewed that the planet had accelerated its motion. About that time, M. de la Place, by an analytical method of his own invention, calculated the elements of its eliptic orbit. He makes the greater femi-axe 19,0818 femi-diameters of the earth's orbit; the half excentricity ,9815: the place of the aphelion, on the 21st of Dec. 1781, to be 11 ", 23° 22' 58"; true anomaly of the planet, at 18h. 5m. 40 fec. mean time, at Paris, 90° 20'. 19", and its mean ano-

inaly, 102°52'. 7".
"Mr. Bode, having remarked, in the ephemeris of Berlin, for 1784, that the star, number 954, of Mayer's catalogue, could not well be any thing else than the planet Herschel, as that star cannot now be found in the place where Mayer observed it; pains have been taken to examine the manuscripts of that celebrated astronomer, which are preserved at Gettingen; and the date of the obfervation, on which the polition of that star was grounded, is September 25th, 1756, at 10h, 21m. 21 fec. mean time at Paris; and gives its longitude, at that time 110, 160, 37', 43", and its latitude 48', 43"

fouth.

This observation made by mr. Mayer, nearly twenty-five years prior to that of mr. Herschel, and found, as it were, by a kind of accident, not to have been expected or hoped for, appears to agree fo well with the computation made from the elements of M. de la Place, before recited, that we may look on the orbit of this new planet as already investigated to a great degree of exactness.

Mr. Mayer made this observation when the planet was exceedingly near its aphelion; a circumstance which greatly enhanced its value, as that important point of its orbit was thereby calculated with the greater facility. The place of the node, for the year 1781, is found with great exactness, to be Gemini 12°, 47', and the inclination of the orbit to the plane of ecliptic, 46', 13"; the greatest central equation 5°, 27', 17", when the corresponding mean anomaly is 3°, 3°, 24', 31". From the elements here laid down, the planet's place may be calculated, for any point of time, with great facility and exactness.

From this theory of M. de la Place, I have computed the period of the planet to be eighty-three years, and almost thirty-three days; and from a known theorem, first discovered by Kepler and afterwards demonstrated by the illustrious NEWTON, I find its mean distance from the sun to by 19,041 of fuch parts as the mean diftance of the earth is unity. M. de la Place, as I have before related, computed it at 19,0818, and M. de la Lande, at 18,913; but as mine falls between them both, it gives me reafon to hope it is not far from the truth. If we ake the mean distance of the earth from the fun, as it has been stated from the two observations on the transit of Venus, viz. in 1761 and 1769, and multiply it by 19,041, it gives, very nearly, 1805 millions of miles for the mean listance of the Herschel. I have by ne, a number of observations on the hameter of this planet, made by mr. ferschel, with his improved microneter, and from eight of those which eft agree among themselves, I find he mean apparent diameter of the planet to subtend an angle of 4",06; ind, were the earth to be viewed at he same distance, it would subtend in angle of no more than ,908 of a econd; then, if 4",06 be divided by 908, it will give 4",4713 for the number of times the diameter of the lanet exceeds that of the earth; nd this, at once, gives for the dianeter of the Herschel, 35511 miles learly; and should its folidity be omputed, it will amount to no less han 23,409,870,186,568 cubic niles. And furthermore, if we ompare its magnitude with our own planet, it will be found to be neary as 90,688 to one, or as 117,169 0 1292.

From the Pennsylvania Magazine.
The old Bachelor.—No. V.
Continued from page 91.
Letter to the married man.
DEAR SIR,

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Have read the detail of your numerous misfortunes; but as I judge you have stepped out of your real character, and given me, in mafquerade, the history of some disastrous neighbour, I shall take the liberty of conveying, through you, not a sword, sir—I am no duellist—but my best advice to him.

I conjecture that your hero is a knight of the ancient and honourable order of the thimble; one of those party-coloured citizens—in whom the merchant and the mechanic are unmeaningly confounded, arising, some say, from their wilfully mistaking queen Elizabeth's command for a compliment, who,

in reprimanding their want of order in a lord mayor's procession, vociferously called out, march on, taylors; which they curiously converted to the appellation of merch ant taylors.

Now, fir, I have no patience with this man, because he has so much. He appears to me, in plain terms, to be a hen-pecked huiband, and hens never triumph over any other than a dunghill cock; the want of dignity in the one, begets infult in the other. If he examines himfelf, he will find that what he calls patience, is fear; his humility, du-plicity. Why, fir, it was as much as his head was worth, with all its ornaments, not to go back for the band box. It was not to procure peace, but to prevent punishment, that he obeyed. Little minds have little fears, and tremble at every thing. He timorously submits, because he does not know how to command. Women will naturally aspire to supremacy, when the proper head of a family does not fill out the character: yet they are tempted more by the vacancy, than by any original defire to dispute precedency. A governing woman is never truly happy, nor a fubmitting hurband perfectly reconciled. While he keeps right, she will not go wrong; neither can she possess his place, unless he go out of it. And it infallibly happens, that when a woman acts the man, the man acts the fool.

This, fir, is my opinion of your knight of the word countenance. Were I young, and had a wife, you should see other doings. I am under much fear for his fafety, since the publication of your memoirs of him. I doubt he'll hear of other things than wire caps, and perhaps feel something weightier than arguments. Poor man!

(To be continued.)

Address to the congress of the thirteen states.

LETTER 1.

I AM forry, gentlemen, that your unbounded ambition, unbridled extravagance, and confounded impudence, oblige me thus publicly to animadvert upon your conduct. Do you expect, then, by threats of coercion to terrify us into the embrace of despotism? Be assured, they will avail you as little as the arts, fraud, and fophistry heretofore made use of. The plan should have been reversed; for by the latter, your weakness has been exposed, and contempt is now the attendant of the former. Shall the independent state of New York be made a dupe to your body? Warmed with the love of liberty, fensible of our importance and strength, and informed of the arts of defigning defpots, we are neither to be terrified nor deceiv-Central in fituation, extensive in domain, ftrong in number, important in commerce, fruitful in agriculture, invincible in war, and inexhaußible in refources, we dare all the terrors of your refentment, and the combination of your powers. View the refiftless floods of our Mohawk, with the rolling waves of our Hudson, and behold a picture of our importance and strength; recollect the shores washed by these waters, and the hardy tribes that dwell upon their streams. Observe the forts at West-Point—the key of America.

Do you imagine we will for ever be fporting away local advantages, the gifts of nature, merely to gratify your ambition? have you not tacitly confented to the independence of our rebellious counties in the north, and have not we acquiefced, to pleafe you? and do you imagine we will now betray the interests of our infatuated merchants, by yielding the impost? 'Tis not our duty to fusfer our children to

embrace the wished-for destruction. or to listen to their petitions, when we know their interest better than they do themselves. Why are not your high mightinesses disposed to meet the jealousies of our people? Are you not their fervants, and created by them? and shall the creature be above the creator? Why would not the impost, granted till the sitting of the next legislature, answer your purpose? a committee of revision would then be appointed, who should examine your accounts of expenditure, and, taking attestations from a proper number of your body, as vouchers of your good behaviour, would then eafily obtain a grant of an extension of the impost, provided there was no suspicion of collusion. Hostages should be given us by the non importing states, as an additional fecurity; not that we fear the fuecess of your ambitious aims, for we know our strength; -- but to prevent our carrying flaughter and devastation into those states, which, deceived by your chicane, may be disposed to execute your commands. You fay it is more reasonable that one state should meet the desires and interest of the united states, than that you should meet the groundless jealousy of one: but this is nothing to the You hold up to view the purpofe. refentment of France, Holland, &c. &c. 'Tis a mere bagatelle: Great Britain will as readily become our faithful ally against her natural enemies, as ever France did; and the first ill consequences of a rupture will be felt by the merchants, which will be the just punishment for the espousal of their present measures. It is faid the public creditors will be as great a thorn in our fide, as were the tories in the late revolution. have two means of obviating this objection to a rupture. In the first place, we will allure the domestic creditor to exchange your continental for our

te fecurities; he will confequently then interested to stand with us. id fecondly, in place of all fuch are not caught by this bait, we Il adopt the tories, by our alliance th Great Brirain. Thus you fee, itlemen, we are prepared for you all points: perhaps you may hear m me again.

A non-impost man.

New York, April 6, 1786. N. B. Don't pretend to let any your emissaries reason with me, cause I know they are cunning ough before hand, and shall stop rears.

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LETTER II.

Expected your arts of infinuation were more to be feared in the undifguited efforts of your esent power: the event justifies the rfuafion. My last week's address s been treated with filent contempt, cept by your emissaries abroad; ne of whom, fenfible of the justice its fentiments, are unable to conal their rage and indignation; oers, better instructed by you, af-At to laugh and call it a burlefque; it we hope to convince the world, the steadiness of our principles, at we are not the jesting fools you ink us; and to convince your high ightinesses, I shall deem the few llowing observations sufficient.

1st. You fay the impost is now e general wish of the best informed tizens of these states. Although ou have found means to induce the r greater part of the respectable, ough infatuated inhabitants of this ty, to fign the petition in your vour, lying at the coffee-house and sewhere; yet your artifices being tected (tho' our legislature may faour it with a hearing) it will be treatas it merits. Impertinent petitiis are not always to be attended to, whether they originate from the dupes of morality or policy; for this reason it is of little consequence to you, that you have loft, by your pride in its style, the names of the greater body of the quakers, (I mention it only as an instance how the wicked frequently betray their own cause:) the quakers are as foolishly tenacious as any people, of what you call national honour, but what they choose to call public honesty: they will tell you "That righteouf-" nefs exalteth a nation, and that " perfidy and injustice are the shame " of a people," and a deal of fuch buckram stuff.

2d. You fay that a government cannot subfift without a head; we acknowledge it, but fee not the necessity of placing it so high, in refpect to the other members, as you wish. We will illustrate our idea by a fimilitude, drawn from the fea. the great element you pretend (with how much fincerity I will not undertake to fay) to have principally in view. The fea turtle-is not his body a perfect piece of machinery? and yet he hides his head under his shell; let the shell resemble the state of New York; we will cover you from every approaching danger; we are able to relift the pressure of national misfortune, and bearup against every impending destruction. You will allow the fimilitude to be just, as far as it respects the present clumfiness of government. But pray why need you wish to be more perfect than the works of nature? Activity and energy-alas, the most diabolical ideas are couched under those terms—for who is more active and energetic than the devil?

3d. You fay that although congress cannot and do not demand the impost of the state of New York, as a matter of right, still she will be answerable to justice and humanity for the confequences of her ob-

flinacy. As the public debt must be paid—as national credit must be established—as neither can be effected but by a fixed, certain, and productive fund—as fuch a fund cannot be provided but by an equal, general, and permanent revenue-as no one has or can point to a mode of revenue. fo easy, so equitable, and so unexceptionable as the impost-as the wisdom of the continent, represented in congress, has for five years deemed it the only efficient mode-the meafure appears important and necesfary. In answer, I say, the major is false, the minor importinent, and the conclusion ridiculous. need not be paid; national credit is a proud fancy; funds are the means to betray our liberties; a revenue impoverishes the people; and the wisdom of congress is the ambition of despots.

4th. Your emisseries abroad fay we are counteracting our own interest; that the day is affuredly approaching, when payment will be demanded of the foreign debt; the means not being furnished to congress, coercive measures will be purfued by foreign powers. France, juftified by our bale ingratitude, will levy upon our shipping, perhaps with a predilection to this flate; our commerce will be, perhaps, totally obfiructed; our merchants ruined; our farmers incumbered with the worthless produce of their industry; our creditors roused to do themselves justice; our affairs thrown into confulion, and the blood of our citizens shed! Pogh, pogh, it's all nonfense; we are no more afraid of the king of France than we are of you: and as for the Hollanders, many of us can talk Dutch to them!

5th. Your emissaries abroad likewife say, that all the arguments made use of by us, to justify the partial appropriation of duties to our own and sole use, apply with greater sorce

in favour of this city; that we an importing state, chiefly by me of this city; that nature has gi this city this advantage, and 1 the state ought not to deprive the of their natural rights, nor ou they tamely to yield them; that city is not more connected with state, or concerned in its interest welfare, than this state is, or ou to be, in the interest and welfare these united states, and that w the impending cloud is ready to b destruction upon their heads, t would be justified by every princ of retaliation, policy, juffice, and ture, to declare their rights and th attachment to federal measures, feek independence from usurpati and to claim protection from the deral head: upon my word, the are great swelling words; but, . the baseless fabric of a vision, le not a wreck behind. To conclu and as I shall not attempt to g you any further information in ture, I would advise you, gen men, to reconfider the matter; p what end can this restless spirit of mination answer to you, as ind duals? Surely you do not for that you are foon to return : mingle with the mass of citize your very existence depends da upon our pleafure, nay our capr and then furely you must experie equally with us all the ill confequ ces of your ill meafures. 'Bew then of the imp-oft, furly oft, blackest imp that ever winged a p fage from hell to punish and perp a nation.

A non-impost man New York, April 13, 1784.

Advantages of newspapers.

THE world was never bless with any mode of commucating knowledge among the best of mankind, equal to that of newspapers.

ers. No publications are put fo quently into the hands of fo many ple. No book or pamphlet conis fuch a variety, especially of hittorical, political, and moral d. These are sent weekly, and horter intervals, into the habitais of more than three quarters of subjects of every truly free peo-

. And men must be either very sid, or excessively vain and conted of their attainments, to perde themselves they can gain no suffer suffer themselves they can gain no suffer themselves they can gain no suffer suffer the suffer themselves they can gain no suffer suffer the suffer themselves they can gain no suffer suffer the suffer suffer the suffer suffer suffer the suffer suffer the suffer suffer

I faid there is no mode of comnicating knowledge equal to this: epeat it, notwithstanding some will the practice of preaching weekly Sundays and other public occafis, is better adapted to instruct mannd than the mode I am applaud-Preaching is a good instituin: and, like every thing elfe that juires the aid of time and experice to bring it to maturity, is adncing rapidly towards perfection. is probable the time will come, nen this will be equal, in some reects, to the other: it will always a better polish for the manners d tempers of the people, than the ading of newspapers; but it will fome time yet before the instrucon received from this fource, in untry towns in particular, will be useful, as to politics, history, ilosophy, and morality, as what ay be had by a due attention to wipapers.

The assembling together, once a cek, of all kinds—black, white, and pper-coloured—of all ranks—offirs and privates—of all degrees—

rich, poor, and beggars—of all occupations, from the first minister of state to the scavenger in the street— I say, such an assembly, where each one is endeavouring to please, circumvent, or deceive somebody else where every one wears a face and garment he has not had on fince the last Sunday, though a very curious subject for philosophy, is very beneficial to society.

The benefit refulting from Sundays is not so much in the article of knowledge and general science, as in refinement of manners and behaviour, in tafte and civility. Hence it becomes a matter of useful enquiry, whether Sundays, as they have been for many years observed, or balls and affemblies, are productive of most good to fociety; or rather, as the former are more frequent than the latter, the comparison ought not to turn upon the quantity of good actually produced, fo much as upon the natural tendency of these assemblies respectively to work the good of man, by improving manners, behaviour, taste, and refinement.

"A newspaper!" fays a young merchant-I ought to have faid a huckfter-"I take the paper, but do not look into it from one month to another. I cannot fpend my time in reading newspapers." He had rather rub his shoes and buckles, and keep them bright, than rub the rust of ignorance from his mind. But he ought to know that men of ability, in his line of bufiness, acquire useful information in their profession, as well as other branches of knowledge, by attending to these publications. And it may be doubted whether tyranny can rear his iron fceptre over a people, where a free press is enjoyed, and a frequent circulation of newspapers takes place among all orders and ranks of fociety. more of this in another delirium.

CRAZY JONATHAN.

ANECDOTES.

AT the commencement of the late revolution, when the French nation appeared inclined to take part in the contest in favour of America, fir Joseph Yorke, the ambaffador from England to the United Netherlands, meeting the French ambaffador at the Hague, censured his court for interfering in the dispute, and taking so ungenerous a part. "You have been guilty of a dishonourable act, said he, that is unpardonable-no less than that of debauching our daughter." "I am forry, replied the French ambassador, that your excellency should put such a severe construction upon the matter. She made the first advances, and absolutely threw herfelf into our arms; but, rather than forfeityour friendship, if matrimony will make any atonement, we are ready to act honourably, and marry

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NOT long fince, a person visited the city of New York, un-der the style of nobility. For several months his manner of living accorded with his assumed character. His lodgings, his attendants and his equipage, corresponded only with rank and opulence. Fashion received from him its laws, and taste appealed to him as its genuine standard. Balls, affemblies, and entertainments, welcomed him as their principal ornament; while fenators and ambassadors were pleased to be enrolled as his companions. In this career of glory, he addressed a young lady, highly respectable for her character and connexions: but, at the very eve of marriage, by the fresh appearance of the ink, which he had used in forging certain deeds, designed as proof of great family property, and by a dispute with a person about the price of the parchment on which

one of them was written, he v discovered to be a miserable vag bond, whom infamy would ha blushed to acknowledge as her c spring.

··· WHEN George Whiteful first came to Charleston, South Carolina, the rev. Alexant Garden was episcopal minister that place. Not liking Whitefiel principles, he took occasion to prea a fermon against him from the f lowing text,-" Behold, those tl have turned the world upfide dow are come hither alfo." In the aft noon of the fame day, Whitefie in his turn, retorted upon his a tagonist to a very crouded audien and with all the wit and fatire which he was fo remarkable, fro these words of St. Paul, "Alexand the copperfinith hath done me mu evil; the Lord reward him accordi to his works." Soon after, Garde not to be outdone, took occasion declaim with fome heat, against light and trifling tunes used Whitefield's church, as being 1 theatrical and gay for holy worth and fuch as had been long approp ated to profane fongs and ai " Very true, doctor," faid Whitefa in his next lecture: " but pray, ! can you ailign any good reason w the devil should always be in poss fion of the best tunes?',

BON MOT.

SOME officers of the British are who had ferved during the Arrican war, walking in Hyde-Padreffed in their regimentals, me man deformed by a haunch on back, when one of them jocular clapping his hand thereon, exclained, "What have you got here, friend!" To which the other, we a countenance expressive of his set of the insult, replied, "Bunker's landamn your red coat."

POETRY.

A elegy, on lieutenant De Hart*, wolunteer aide-de-camp to general Wayne. By colonel Humphreys.

HEN autumn all humid and drear,
With darkness and storms in his train,
Announcing the death of the year,
Despoil'd of its verdure the plain:
When horror congenial prevail'd,
Where graves are with fearfulness trod,
De Hart by his fister was wail'd—
His sister thus figh'd o'er his fod:

- " Near Hudson, a fort, on these banks, "Its stag of desiance unsural'd:
- "He led to the fform the first ranks;
 "On them iron tempests were hurl'd:
- "Transpiere'd was his breast with a ball—
 "His breast a red fountain supply'd,
 "Which, gushing in waves still and small,
- " Distain'd his white bosom and side.
- "His visage was ghastly in death;
 "His hair, that so lavishly curl'd,
- "I faw, as he lay on the heath,
- "In blood, and with dew-drops impearl'd.
 "How dumb is the tongue, that could fpeak
 "Whate'er could engage and delight!
- "How faded the rose on his cheek!
 "Those eyes how envelop'd in night!
- "Those eyes, that illumin'd each foul,
 All darken'd to us are now grown:
- "In far other orbits they roll,
- "Like stars to new systems when gone,
- "My brother, the pride of the plain,
 "In vain did the graces adorn:
- " His bloffom unfolded in vain, To die like the bloffom of morn.
- "Oh war, thou hast wasted our clime,
 "And tortur'd my bosom with fighs:
- "My brother, who fell ere his prime, "For ever is torn from my eyes.

NOTE.

This young warrior was killed in the attack on the block-house near Fort Lee, 1780.

"To me how distracting the storm,
"That blasted the youth in his bloom!

" Alas, was fo finish'd a form
" Design'd for so early a tomb?

- "How bright were the prospects that shone!
 "Their ruin 'tis mine to deplore—
- "Health, beauty and youth were his own, "Health, beauty and youth are no more.

" No bleffings of nature and art,

- "Nor mufic that charm'd in the fong,
 "Nor virtues that glow'd in the heart,
 "Dear youth, could thy moments prolong!
- "Thrice fix times the fpring had renew'd
 Its youth and its charms for the boy;

"With rapture all nature he view'd:
"For nature he knew to enjoy.

- "But chiefly his country could charm,
 "He felt—'twas a generous heat—
- "With drums and the trumpet's alarm, "His pulses in consonance beat.
- "Ye heroes, to whom he was dear,
 "Come weep o'er this forrowful urn,
 "Come ease the full heart with a tear—
 "My hero will never return:
- "He died in the dawn of applause,
 "His country demanded his breath;
 "Go, heroes, defend the same cause;

"Avenge, with your country, his death."

So fang on the top of the rocks,

The virgin in forrow more fair:
In tears her blue eyes; and her locks

Of auburn flew loofe on the air.
I heard, as I past down the stream;
The guards of the foe were in view:
To enterprife fir' by the theme,
I bade the sweet mourner adieu.

·*·•

Ay ode-to Laura. - By the same.

OH, lovely Laura, may a youth,
Inspir'd by beauty, urg'd by truth,
Disclose the heart's alarms,
The fire, in raptur'd breasts that glows,
Th' impassion'd pang, on love that grows,
And dare to fing thy charms?

Enough with war my lay has rung;
A fofter theme awakes my tongue—
'Tis beauty's force divine.
Can I refift that air, that grace,
That harmony of form and face?
For ev'ry charm is thine.—

Of health, of youth th' expanding flush,
Of virgin fear the flying blush,
With crimson stain thy cheek:
The bee such nestar never sips,
As yield the rose-buds of thy lips,
When sweetly thou dost speak.

'Tis thine the heavieft heart to cheer,
Those accents, drank with eager ear,
So musically roll.
Where swells the breast, the snow-white skin
Scarce hides the secret thoughts within;
Nor needs disguise that soul.

With thee, of cloudless days I dream;
Thy eyes, in morning splendors beam
So exquisitely fair—
What taste! as o'er thy back and breast,
In light-brown ringlets neatly drest
Devolves a length of hair.

Unblam'd, oh, let me gaze and gaze, While love-fick fancy fondly strays,
And feasts on many a kifs;—
For us let tides of rapture roll,
And may we mingle foul with foul,
In ecstacies of blis!

A fong-translated from the French. - By the same.

T rains, it rains, my fair, Come drive your white sheep fast; To shelter quick repair, Haste, shepherdess, make haste.

I hear—the water pours,
With patt'ring, on the vines:
See here! fee here! it lours—
See there, the lightning shines.

The thunder dost thou hear?
Loud roars the rushing storm:
Take (while we run, my dear)
Protestion from my arm.

I fee our cot; ah hold!

Mamma and fifter Nance,
To open our sheep-fold,
Most cheerily advance.

God bless my mother dear, My fifter Nancy too! I bring my fweet-heart here, To steep to night with you.

Go dry yourfelf, my friend,
And make yourfelf at home—
Sifter, on her attend:
Come in, fweet lambkins, come—

Mamma, let's take good care
Of all her pretty sheep;
Her little lamb we'll spare
More straw, whereon to sleep.

'Tis done—now let us haste
To her;—you here, my fair!
Undrest oh what a waist!
My mother, look you there.

Let's fup; come take this place; You shall be next to me: This pine-knot's cheerful blaze Shall shine direct on thee.

Come taste this cream so sweet, This syllabub so warm; Alas! you do not eat: You feel ev'n yet the storm.

'Twas wrong—I press'd too much Your steps, when on the way: But here, see here your couch— There sleep, till dawn of day

With gold the mountain tips:—
Good night, good night, my dove,
Now let me on your lips,
Imprint one kifs of love.

Mamma and I will come,
When morn begins to finine,
To fee my sweet-heart home,
And ask her hand for mine.

An epitaph written the day after the capitulation of lord Cornwallis, at York-town, in Virginia. By the fame.

ALEXANDER SCAMMEL,

Adjutant general of the American armies,

and

Colonel of the first regiment of New Hampshire, while

he commanded a chosen corps of light infantry, at the

fuccessful siege of York-town, in Virginia,

was,

in the gallant performance of his duty, as field-officer of the day, unfortunately captured,

afterwards infidioufly wounded—
of which wound he expired at Williamsburg, Oct. 1781.

WHAT, the' no angel glanc'd afide the ball, Nor allied arms pour'd vengeance for his fall; Brave Scammel's fame, to diftant regions known, Shall last beyond this monumental stone, Which conqu'ring armies (from their toils return'd) Rear'd to his glory, while his fatethey mourn'd,

Anacreontic.

An impromptu, for the pocket-book of a young lady, who expected to embark from for Europe, and who expressed a wish to be possessed from manuscript werses written by colonel Humphreys.

MAY you, franght with ev'ry grace, All the charms of mind and face, Ripen fair in wisdom's beam; Thine the bliss that poets dream; Happier still thy prospects shine; And each wish suffil!'d be thine! Riches make them wings and fly; Envy blafts the buds of joy; Deadly pangs may youth invade, When the rofy cheek must fade; Only virtue can impart Our defence—it soothes the heart, Death disarms, or blunts his dart.

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The genius of America. A fong. By the same.

Tune, the watry god, &c.

HERE spirits dwell and shad'wy forms,
On Andes' cliss, mid black'ning storms,
With livid lightnings curl'd—
The awful genius of our clime
In thunder rais'd his voice sublime,
And hush'd the list'ning world.

- "In lonely waves and wastes of earth, A mighty empire claims its birth,
 - "And heav'n afferts the claim.
- "The fails, that hang in yon dim fky,
 Proclaim the promis'd era nigh,
 Which wakes a world to fame.
- "Hail, ye first bounding barks that roam,
 Blue, rolling billows, topp'd with foam,
 "Which keel ne'er plough'd before!
 "Here suns perform their useless round,
- "Here rove the naked tribes embrown'd, "Who feed on living gore.
- "To midnight orgies—off ring dire!—
- "The human facrifice on fire,
 "A heav'nly light fucceeds—
 "But, lo! what horrors intervene,
- "The toils fevere, the carnag'd feene,
 "And more than mortal deeds!
- "Ye fathers, spread your fame afar,
 "Tis yours to still the founds of war,
- "And bid the flaughter cease;
 "The peopling hamlets wide extend,
- "The harvests spring, the spires ascend,
 "Mid grateful songs of peace.
- "Shall fleed to fleed, and man to man, With difcord thund'ring in the van,

" Again destroy the bliss?—
"Enough my mystic words reveal,
"The rest the shades of night conceal
"In fate's profound abyss."

.....

By the same.

A Man who own'd a barber's shop
At York, and shav'd full many a fop,
A monkey kept for their amusement;
He made no other kind of use on't—
This monkey took great observation,
Was wonderful at imitation,
And all he saw the barber do,
He mimick'd strait, and did it too.

It chanc'd, in shop the dog and cat, While friseur din'd, demurely sat; Jacko found nought to play the knave in; So thought he'd try his hand at shaving. Around the shop in haste he rushes, And gets the razors, soap and brushes; Now puss he six'd (no muscle miss stirs) And lather'd well her beard and whiskers, Then gave a gash, as he began—The cat cried, waugh! and off she ran.

Next towfer's beard he tried his skill in, Tho' towfer feem'd somewhat unwilling: As badly here again succeeding, The dog runs howling round and bleeding.

Nor yet was tir'd our roguish elf:
He'd seen the barber shave himself;
So by the glass, upon the table,
He rubs with soap his visage sable;
Then with left-hand holds smooth his jaw;
The razor, in his dexter paw,
Around he flourishes and slashes,
Till all his sace is seam'd with gashes.
His cheeks dispatch'd—his visage thin
He cock'd, to shave beneath his chin;
Drew razor swift as he could pullit,
And cut, from ear to ear, his gullet.

MORAL.

Who cannot write, yet handle pens, Are apt to hurt themselves and friends. Tho' others use them well, yet sools Should never meddle with edge-tools. The banks of Kentucke. Tune, banks of the Dee.

HE fpring was advancing, and birds were beginning
To fing on the boughs o'er each purling brook;
On the early green herbage at leifure reclining,
I was carelefsly viewing the banks of Kentucke.
Hail, stranger to fong! hail, deep channell'd river!
Thy prominent cliffs shall be famous for ever;
Thy high-swelling floods henceforward shall never
Obscurely roll down thro' the banks of Kentucke.

Disgusted with idle, romantic pretensions,
The populous city I lonely forsook;
Delighting in nature, with fond apprehensions,
I eagerly came to the banks of Kentucke.
O, never did art so much beauty discover,
To reward the long search of its most raptur'd lover,
As nature's luxuriant fancy spreads over
The gay fertile soil, on the banks of Kentucke.

Here genius shall rove with an endless desire,
Improvements to make without learning or book;
While virtue and truth shall forever conspire,
To bless those that dwell on the banks of Kentucke.
Here, far from tyrannical power removed,
The spirit of freedom shall happ'ly be proved;
The patriot shall by his country be loved,
And live without guile on the banks of Kentucke.

Here bigotry never shall raise its foul banner—
The basis of joy through all ages it shook;
The young and the aged, in more happy manner,
Than those, shall improve on the banks of Kentucke.
In honest industry their time still employing,
With heart-cheering mirth all their meetings enjoying,
With the blessings of friendship, and love never cloying,
All ranks shall unite on the banks of Kentucke.

Rich plenty, and health, with his vifage all glowing,
Invite and allure us with promifing look;
Never more to regret other rivers long flowing,
Nor fuch as glide down thro' the banks of Kentucke.
Pale fickness doth pass thro' the land as a stranger,
No dreadful distemper here frightens the ranger,
As he passes thro' cane-brakes and waters, no danger
Expecting to meet on the banks of Kentucke.

FOREIGN INTELLIGENCE.

THE empress has ordered a levy to be made, of one man in every hundred, of all her subjects, through the several provinces. This will produce at least 100,000 recruits, who will be sent to replace the veterans, that may be destroyed in action, or otherwise, throughout the army.

Francfort, Nov. 13. It is calculated, that from 1776, to 1786, the number of emigrants, from the Palatinate of the Rhire, amounts to 9000, notwithstanding which the population has increased 21,099 souls, the number of people being at this moment 404,055 persons.

Edinburgh, Nov. 26. On Saturday last came on, at the hall of the royal medical society, the annual election of presidents, when the following gentlemen were chosen:

James C. Maclairen, of London. Theobald M'Cenna, A. M. County Tipperary.

John Fleming, M. A. Westmeath. Benjamin Smith Barton, A. M. Philadelphia.

London, December 4.

An overture for a triple alliance between the house of Bourbon, and the courts of Petersburgh and Vienna, had been put in a train of negociation by the court of France, and the final accomplishment of it had been urged by that restless people, with all the industry and zeal that ambition, interest, and a natural love of mischief could inspire.

A complete flop has been put to the ambitious project, by the prudence and judicious policy of Russia.

The Russian clergy have offered the empress 100,000 roubles, towardscarrying on the war against the Turks.

The following may be depended on, as an accurate flatement of the importation into Kingston, Jamaica, Vol. III. No. III. from the united flates of America, from December 31, 1786, to March 18, 1787.

Staves, heading, and shin-

otarcs, meading, and	777711-	
gles `	2	458,000
Lumber		440,000
Boards		72,124
Ditto	feet	346,000
Spars ,		100
Oars		120
Mafts		7
Pieces of timber		342
Hoops		301
.Plank	feet	48,813
Bread and flour	cafks	
Ditto, barrels		11 72
Meal, ditto		250
Corn, hogsheads		2 .
Ditto, barrels		8,783
Peas, barrels		43
Rice, tierces		441
Ditto, casks		1,252
0 1 (1)		

On the 16th ult, their high mightinesses declared null and word the act of confederation, signed at Amsterdam by seventy-sive regents, the 8th of August last; and resolved to desend, with their lives and fortunes, the establishment of the stadtholder.

Dec. 21. In confequence of a council held on Wednesday, at the Cockpit, it was determined immediately to commence a new coinage of copper; and, in order to put a total stop to counterfeit half-pence and farthings, which are now so great a burden to the public, it was resolved, that in the new arrangement, one pound of copper should be made into twenty four half pence, instead of eight and forty, which has been the practice hitherto, and the farthings in the same proportion of size and weight.

These resolutions will be put into execution in the course of a few weeks: and an order of council will probably be disturbed almost immediately to stop the circulation of counterfeit copper.

L

DOMESTIC INTELLIGENCE.

Learington (Kentucke) Nov. 12. We have received information that a few days, ago, the Indians killed three men on the road from Kentucke to Cumberland, and that a great body of Indians have fince been feen near the Sinking Spring, supposed to be at least two hundred in number, and ap-

Norwick, Jan. 24. Within the compass of twelve miles from the Pate-house in this town, no less than eight bridges have been destroyed by the flood, occasioned by the floor of

peared to be making towards the

the 16th instant.

Wabash.

Charleston, (5. C.) Jan. 15. We are informed by good authority, that mr. Squibb has discovered a new species of Oryza, or rice, indigenous to this state. The plant ripens its seed in June, and appears to be perennial.

J.in. 31. Major Butler stated yesterday to the house of representatives, that he had just received a letter from Georgia, from a member of the legislacure at Augusta, mentioning that they had fent feveral dispatches to congress, earnestly requesting asfistance against the Indians, but received for answer, that there was not a fulficient number of members to constitute a congress, and therefore no relief could be fent, and that Georgia could not raise any men; which had given additional spirits to the Indians, who were preparing for war in greater force than before.

Feb. 28. A new mode of applying steam to machinery has been discovered by mestrs. Is an Eriggs and William Longstreet, both of Georgia; and singuine expectations are formed of its utility. We have been favoured with the following description, viz. Their engine is so constructed, that the steam operates, alternately, at each end of an horizontal cylinder, on a piston, which it causes to vibrate both ways with equal force;

that this force is not checked by cooling the cylinder, the unavoidable confequence of an injection of cold water, but that an alternate condenfation, in the cylinder on each fide of the piffon, is effected by means of metallic pipes furrounded by cold water, fo that there is always a vacuum on one fide of the piffon, when the fleam is acting on the other; and that the fleam, when condenfed, becoming warm water, is forced into the boiler again by a finall pump.

Baltimore, Feb. 29. The legislature of the state of North Carolin have called a convention, for the purpose of "discussing the momentous subject of the sederal constitution, to meet on the seventeenth day of

July next.

Spring field, March 5. We her from Ludlow, that about five or fi weeks ago, a dog belonging to m David Fuller of that place, ran mac and bit a number of cattie; fever of which, about three weeks afte wards, were feized with violent manefs, and have fince died. Mr. Fuller himself was also bitten by hog, about the same time, on hand, in such a manner as to mal the blood come very freely; but vare happy to hear, that it has not, yet, produced any bad effect.

Elizabeth-town, March 5. A conpany of men, in the state of Ne York, have, in violation of the constitution, and to evade the existicution, and to evade the existicution, and to evade the Mohav Indians, for nine hundred and ninet nine years, of 12,000,000 acres land, at the annual rent of 125 The matter has been canvassed I fore the legislature, who have deem the procedure illegal, and the less not entitled to any emolument cruing from it. They consider to all intents and purposes, a purchawhich their laws forbid.

of facts, respecting the manner

which the prisoners were liberated from their confinement in the jail of Cumberland county, on Saturday

the 1st of March, instant:

It is prefumed the public are already in full possession of the cause which gave rife to the following transactions, viz. the opposition made by some of the inhabitants of the borough of Carlifle, to the rejoicing intended to be celebrated by the federalists, on the 26th and 27th of December last. It is already known, that a number of depositions were taken in the office of John Agnew, esq. with an intention to criminate the feveral persons who were active in opposing faid rejoicing, on which depositions, or other information, hid before the honourable the fupreme justices of the state of Pennfylvania, a warrant was iffued, charging the faid oppofers with divers unlawful acts, &c. and commanding the sheriff of this county to apprehend twenty perfons therein named, and take them before fome of the justices of the fupreme court, or any of the justices of Cumberland county, to answer to the premises, and be dealt with according to law. Some time after, the sheriff received the warrant, and called upon the defendants, and informed them fuch warrant was in his handseach person willingly agreed to appear at any time he might think proper, before any magistrate of this county: he thought proper to appoint Monday the 25th of February last, for them to appear before John Agnew, efq. which they readily complied with. The warrant being read, which exhibited the charge of a riot against the defendants, they demanded that they should be confronted with the witnesses, and offered, if permitted, to produce sufficient evidence to exculpate themselves from the charge alleged against them, which was refused,

as the magistrate was of opinion, that it was not in his power to fuperfede a warrant iffued by the fupreme justices. In the interim, a country magistrate arrived, who had been previously fent for by John Agnew, efq. After a short confultation they came forth, and the country justice told the defendants that in his opinion the warrant admitted of a hearing, but added, that he was determined not to act in the matter, and advised the defendants to accept of a propofal made by mr. Agnew, which was, to remain in the custody of the sheriff, until the 25th of March next, at which time mr. Agnew hoped to have inftructions from the supreme justices. Seven of the defendants absolutely rejected the proposal, unless they were affured of an investigation of the premifes at the time above mentioned, which was likewife refused. Bail was then demanded by the juftice; the defendants answered they were conscious that they were guilty of no crime against the laws of their country; and as they were profecuted to gratify party-spite, they were determined not to enter bail on the occasion, but would otherwise willingly comply with the orders of his worthip; upon which mr. Agnew wrote and figned their commitment, and gave it to the sheriff, who conducted the prisoners to the county jail. Immediately the country took the alarm, on hearing that a number of perfons were confined in prison for opposing a measure that was intended to give fanction to the proposed sederal constitution. The people, who composed the different companies of militia in this county, thought proper to collect, and appointed to meet in Carlifle, on Saturday laft, to enquire why those persons were committed, and at the same time determined to act agreeably to the opposition offered them by the rejoicing party. Accordingly about fun-rife the bell began to ring, and the men under arms made their appearance from different quarters, who previously had appointed one person from each company to reprefent them in a committee; for the purpose of consulting on fuch measures as might be most expedient on the occasion. Previous to their meeting, five persons with delegated power from the people of Dauphin county, had met a number of federalists, and had proposed terms of accommodation. In one hour the federalists promised to give them an answer; at which time they accordingly met, together with the committee appointed by the different companies, who immediately agreed upon terms of accommodation, and mutually consented to transmit a petition to council, figned by a number of respectable perfons on both fides of the question; they then agreed that the faeriff should fign the following discharge.

Be it known, that I Charles Leeper, cfq. sheriff of Cumberland county, do hereby discharge from their imprisonment in the juil of this county of Cumberland, the following persons, viz. James Wallace, William Petrikin, Thomas Dickson, Samuel Greer, Bartholomew White, Joseph White, Joseph Young, and

Joseph Steel.

CHARLES LEEPER, theriff.

After the above agreement was ratified, the militia were marched under their respective officers from the public square to the jail, where the theriff conducted the prisoners to the street: having read the above discharge, they were restored to their former liberty with loud huzzas and a feu de joye from right to left of the companies, who then marched out of town in good order, without injuring any person or property, except by firing two balls through a tavern-keeper's fign.

New-York, March 10. Elisha Thomas, of New-Durham, in New Hampshire, whom, not long fince, we mentioned to have murdered a captain Drown, made his escape, but foon after was apprehended, and committed to the jail in Dover. Thomas left at home his wife and fix children. Some days after, his wife, taking with her, her youngest child in her arms to one of the neighbours, fet out for Dover, to fee her husband. In the night, the other five being in bed, the eldest of them was awaked from his fleep by the falling of a board from the wall on the bed, which, with the house, he faw was in a flame. Springing inflantly from the bed, he in vain attempted to fave from the flames his four brothers and fifters, who, with the house, in a short time were reduced to ashes, himself only escaping to tell the news.

The representatives of the quakers in New England, have petitioned the affembly of Rhode Island, against the act for making paper money a tender, and likewise against that for making notes and accounts void, if not settled in two years. The affembly have received the petition, and referred it to the next session, ordering copies of it, in the mean time, to be published and distributed.

The state convention of New Hampshire has adjourned from Exeter to Concord, about one hundred miles inland, there to meet on the third Wednesday in June next. Previous to this adjournment, for eight days, very warm debates were had upon the propriety of adopting the constitution.

By the accounts received last evening, we find, that the adjournment of the convention of New Hampthire was carried by 56—against 51

Befien, March 10. A gentlemar in this town has received a letter from Charles Logic, efq. his Bri Lin c majesty's conful at Algiers, New | Nov. 5, 1787, of which the by, wing is the fubstance: after ig an account of his being oni i age, ed to confine himself to his own and e above a year, on account of plague, he observes, that notstanding the distressed figuation his inhappy American captives are by being obliged to mix and agest igh. s in common with the natives. hom upwards of three hundred that : died of a day, yet only three of twenty-two have beeen taken by that distemper-he mentions death of capt. Coffin, a brother 03 le captain Suabeal Coffin, after a in ering illness, on the 2d of Noat that he had afforded his every affiltance in his powerthe rell as to the captains of flips, to the American people in geal there; and this, he fays, not ely from the common motives humanity, but from gratitude, bearing in mind the many civilihe met with in Boston, from a at number of its respectable inpitants, upwards of twenty years Mr. Logie likewise says, that : cause of humanity would be eatly promoted, by a fubfcription r the relief of the unfortunate Aerican fufferers, now in fervitude ere.

Friday a resolve passed the hopurable house of representatives (but nt by a very full vote, the majoribeing but about eleven) for paroning and restoring to the privileges f a freeman, the famous capt. Inke day, who for fome time past has een confined in jail in this town.

Murch 13. The legislature of

is flate has repealed the law offerig a reward for the apprehending Daniel Shays, &c.

A petition has been presented to he general court by Shays and Parons, praying a pardon, which, it s faid, will be granted.

Philadelphia.

March 3. This day, pursuant to his sentence John White, alias John Tracey, was executed on the commons, for piracy and murder.

March 6. The quarter sessions of the county of Philadelphia began on last Monday in this city. Only three bills for larceny, or any other infamous crime, were found by the grand jury; and the property stolen in those three cases amounted to no more than fixty-two shillings.

The affembly of Rhode Island have passed an act appointing the 4th of March, intt. for the people of that state to convene in town meetings, and there to confider and determine upon the expediency of adopting the proposed constitution.

March io. The committee appointed by the general affembly, to confider the petitions prefented in fayour of the distressed Africans, praying a prohibition of the flave-trade, and an extension of the act for the gradual abolition of flavery, made along and liberal report upon the subject, and it is referred to the same to bring in a bill, to prevent the mischiers complained of, and to amend the existing law.

The committee appointed on that part of the message from council. respecting the pussing a declaratory act, upon the subject of the treaty with Great Britain, made report of a resolution, that the executive council be informed, that the house cannot find any act now in force, which is repugnant to that treaty, or any article thereof, or that tends to restrain, limit, or in any manner impede, retard or counteract the operation and execution thereof, or to explain the fame.

March 19. The hon. George Handly, elq. is appointed governor of the state of Georgia, in the room of general Jackson, who has refigned.

An Augusta paper of the 16th ult.

fays, "We hear from Green county, that on Saturday the 2d instant the Indians killed captain Autry near

Richland creck."

Murch 20. The manufacturing foeiety of this city have at length obrained two complete machines for carding and spinning cotton, one of which eards forty pounds of cotton per day, and the other spins fifty threads at a time. We feel infinite pleasure in communicating this agreeable intelligence to the public, and we have no doubt, that by application to the fociety, private persons or companies will be informed how they may be supplied with them. As they are of the greatest consequence to this country, we beg leave to suggest the propriety of gentlemen in every town in the state joining to procure one of each. Five lads of fifteen years of age, and a girl of twelve, may tend four fpinning and one carding machines, which will card and spin 12,000th of cotton per annum.

It is earnestly hoped that the fouthern states will pay the most immediate and the most unremitted attention to the cultivation of cotton, to which their foil, their climate, and their population, are all adapted. Without cotton, the newly acquired machines will be of no value; with abundance of that raw material, they

may perform wonders.

March 24. By a letter from Georgia, we are informed "that gen. Clark lately fell in with a confiderable body of Indians, who were defeated after a short conslict. A body of three hundred of them attacked a fort on the Occonees, and were repulsed with considerable loss. They are well armed, and have lately received a great supply of military articles from Pensacola."

Late accounts from Pittsburgh mention, that on Monday the 11th of February last, the superintendent of Indian affairs dispatched messen mis to invite the chiefs of all the In tribes within the northern diffric a general treaty, in the spring, t held by him and the governor of western territory in conjunction order of congress, in order, if ble, to fettle all unrafiness exi. between the united states, and the dian nations, and to establish a ing peace; much is expected from abilities and accommodating diff tion of those gentlemen, whose racters, both public and private, well known. The fuperintendan off the fame day to New York make the necessary arrangements.

It is recommended to the la holders of Pennsylvania, especi those who own unimproved la heavily timbered, to confider method of making pot-ash pract by the farmers of Russia and S den, as related in Postlethwa. dictionary, and the Encyclopa Britannica. They will find a met of clearing their lands of tim' profitable to themselves, and v beneficial to the commerce of It is believed, that a 1 greater than our impost, might made by attention to this arti-The people of New York have le enjoyed the benefits arising from and as it ferves for a remittance Europe, great fums are kept in state, which would otherwise be ported.

The committee appointed by general affembly on the 14th of St tember, to visit the Pennsylvan

hospital, reported,

That they have performed the fervice, and had the pleasure to fit the house in perfect good order, at the patients accommodated, with appearance of decency and comfo highly commendable.

From the information receiv of the attending managers, and t observation of the committee, th nk it their duty to report, that managers and perfous employed the inititution appear to have at merit in the execution of this unitable fervice.

tract of a letter from New York, March 26.

Capt. Prince, from Cayenne 1 St. Eustatia, at his departure, at the former port the brig thington, capt. Gardener, beging to Rhode Island, and the p Black Prince, capt. Newman, onging to Philadelphia, both vef-s from Africa with slaves."

March 29. This day the generaliembly of this state adjourned, meet on the 2d Tuesday in Sepaber next. Previously to their fournment, the house ordered five ndred copies of the supplement to law for the gradual abolition of very, and the same number of pies of the militia law, to be print, and forwarded to the prothonoies of the respective counties, for e information of the public.

The committee of the affembly pointed to confider the operation

the penal law of this state, reorted that it would be proper to point a committee to bring in a ll, to alter and amend the same. motion was made by dr. Logan repeal the law, but it was contrato the general sense of the house, and accordingly rejected.

March 31. Late accounts from Charleston mention, that the fires I that city have been so frequent and so fatal, that there is reason to aspect they have been occasioned by the fame gang of incendiaries who are lately travelled from New York

o that state.

BANKRUPT'S.

Ann Gibbs, of the city of Phiadelphia, merchant.

John Ferguson, of the city of Philadelphia, merchant.

Dean Timmons of the city of

Philadelphia, tallow chandler, dealer, and chapman.

William Tilton, late of the city of Philadelphia, now of the town of Pittsburg, merchant.

Stacy Hepburn, of the city of Philadelphia, merchant,

Johna Smith, late of Egg Harbour township, county of Gloucefter, state of New Jersey, now of the city of Philadelphia, merchant.

James M'Cutcheon, of thecity of Philadelphia, victualler and butcher.

Hugh Newbigging, of the city of Philadelphia, merchant.

Richard Mason, of the city of Philadelphia, merchant.

John Fowler, of the township of Lampeter, in Lancaster county.

MARRIAGES.
Maffachusetts. At Boston, Mr.
John Allen, printer, to miss Sally
Rand, of Charlestown.

New York. Mr. Charles Wilkes to miss Shaw; mr. Abraham Franklin, to miss Ann Townsend of Long Island.

Maryland. At Baltimore, Mr. James Croxall to miss Nelly Gittings.

South Carolina. At Charleston, mr. William Cam, metchant, to mifs Wigfall; capt. John Trott, to mifs Mary Fendid.

Georgia. At Savannah, mr. Frederick Herb, to miss Mary Brown; mr. Robert Holmes to miss Betsey Butler.

DEATH.

In Great Britain. Paul Fisher, esq. of Clifton, near Bristol, who has left to the society for propagating the gospel two thousand pounds, of which five hundred pounds is for propagating the gospel in America; sive hundred pounds for encouraging the protestant working schools in Ireland; and the remaining one thousand pounds for the use of the first bishop that shall be appointed in America, with the interest of the same, provided a see be constituted in twenty-five years.

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PROSEAND POETICAL,

For A P R I L, 1788.

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AMERICAN MUSEUM:

For A P R I L, 1788.

fervations and conjectures on the earthquakes of New England. By professor Williams, F. A. A.

N looking over some of the hiftories of New England, I obser-I that the religious turn of mind, ich distinguished the first planters New England, had led them to ce notice of all the earthquakes ich happened in the country, er their arrival. Several of them med to be pretty well described: d in some of their phenomena, ere feemed to be an agreement. feveral of these accounts were ntained in writings but little lown, I thought it might be of me fervice to philosophy, if a rticular account of them could collected. This is what I have tempted in the following treatife. the first part of it, I have set wn the most particular accounts could find of their phenomena. he fecond contains observations id remarks upon their agreement d operations. In the third, con-Aures are proposed as to their uses: and in the fourth, some geeral reflexions are added, as to their iture, use, and effects.

The most likely way to come to eknowledge of their causes, is to

observe all the phenomena that attend them. That the reader might have a true account of these phenomena, it was my endeavour, in the accounts and observations; to note all the particulars, which feemed to relate to them, however minute or trivial fome of them might appear. With this view I confulted all the accounts I could find. From feveral of them (the honourable professor Winthrop's lectures on earthquakes, in particular) I have received much Others referred to authors, of which I could not have the advantage of a perufal. That gentlemen of science might have it in their power to examine with what fidelity and care the accounts are drawn up, or how far they might be depended upon, I have contrantly referred to the authors from which they are taken. Some of the accounts. I am fensible, are greatly imperfect. all our conjectures, theories, and reasonings, must depend on the accounts, it is much to be wished, that fomething more accurate and perfect, as toseveral of them, might be transmitted down to posterity,

What is proposed, as to their causes, will be judged of, by the degree of probability and evidence with which it is attended. In all

philosophical hypotheses, a writer is in danger of making more of his subject than will bear a strict examination. I have found fome difficulty in guarding against this: and whether, at last, I have not carried conjectures, in fome things, too far, the reader must judge for himself. After all, the revolutions of time will afford the furest proof of the truth or errors contained in the following pages. I would, therefore, make it my request to posterity, to note, with care and accuracy, the phenomena that may attend any future earthquakes in New England: that, if what is here advanced as to their causes, shall be found to be true, it may be confirmed: but if found to be false, it may meet with the fate of other errors, and be rejected. The cause of truth and science is of infinitely more importance, than any of our schemes or conjectures: and this is what I wish may prevail, in all countries, and in all ages.

An historical account of the earthquakes of New England.

HE English arrived at Plymouth, in New England, November 11,1628. The first earthquake that happened in the country, after their arrival, was on July 2, 1638.O.S. The manner of its approach, and the violence to which it arose, are pretty well described in accounts which are yet existing. It is describ. ed as having been preceded with a rumbling noife or low murmur, like remote thunder. As the noise approached, the earth began to quake, till the shock arose to such a violence, as to throw down the pewter from the shelves, stone walls, and the tops of several chimnies; and, in fome places, made it difficult for people to avoid falling. The course of this earthquake in some of the accounts, is deferibed as being from

the westward to the eastward. others, it is reprefented as comi from the northward, and going fouthward. It is not likely a great care or accuracy was emple ed, to determine what particu point of the compass the roar thake came from; but only to fix to that, which was judged to be nearest cardinal point, which fo thought was the west, others north. It is most probable, the fore, that a middle course, fre about north west to south east, w the true; as this will best agree wi and reconcile all the other accou that were given of its course. what extent this earthquake reach on any point of the compass, have no way to determine. It faid in general, that it reached far to the land, and was observed by 1 Indians much beyond any of i English settlements, which then we but of small extent: and also, the fome veffels, which were near t coast, were shaken by it. In abo half an hour there was anoth shock, but not so long or strong the former*.

Omitting a shock on October 2
1653, as too small to occasion a general notice, the next memoral earthquake was in 1658. In all t ancient histories, this is mention as a great earthquake. But I can find any account of the month, da violence, course, essent, any other particulars of it.

On January 26, 1663, O. S. "the shutting in of the evening," a other memorable earthquake shown New England. From the gener expressions the writers, who speak

NOTES.

* Vide Johnson's, Hubbard' and Morton's accounts of this eart quake.

† Morton.

, use, it seems to have been one of e greatest this country ever felt. is represented as being preceded ith a great noise and roar. Menon is made of the houses rocking, e pewter falling from the shelves, e tops of feveral chimnies falling , the inhabitants running out into e streets, passengers being unable keep on their feet, &c. As to its surfe, duration, or extent, nothing to be found in any of the New ngland writers. But they are well feribed in the accounts that were ven of this earthquake in Canada. At the fame time, Feb. 5, 1663, . S. "about half an hour after 'e in the evening," a most terrible rthquake began there. The heains being very ferene, there was ddenly heard a roar, like that of great fire. Immediately the buildgs were shaken with amazing vionce. The doors opened and shut f themselves, with a fearful clatterg. The bells rang, without being uched. The walls fplit afunder. 'he floors separated, and fell down. he fields put on the appearance of recipices: the mountains feemed be moving out of their places: nd amidst the universal crash which ook place, most kinds of animals ent forth fearful cries and howlings. The duration of this earthquake ras very uncommon. The first shock ontinued half an hour before it was ver; but it began to abate in about quarter of an hour after it first bean. The fame day, about eight 'clock in the evening, there was a scond shock, equally violent as the rst: and in the space of half an our, there were two others. The ext day, about three hours from he morning, there was a violent hock, which lasted a long time: and he next night, fome counted thirtywo shocks; of which, many were iolent. Nor did these earthquakes ease until the July following.

New England and New York were shaken with no less violence than the French country. throughout an extent of three hundred leagues, from east to west-and more than one hundred and fifty. from north to fouth—the earth, the rivers, and the banks of the fea, were shaken with the same violence. The shocks sometimes came on suddenly; at other times by degrees. Some feemed to be directed upwards: others were attended with an undulatory motion.—And throughout the vast extent of country, to which they reached, they feemed to refemble the motions of an intermitting pulse. with irregular returns; and which commenced through the whole at the fame hour.

This earthquake was attended with fome remarkable effects. fountains and fmall rivers were dried up. In others, the water became fulphureous: and in fome, the channel, in which they ran before, was fo altered, that it could not be diftinguished. Many trees were torn up, and thrown to a confiderable distance: and some mountains appeared to be much broken and moved. Half way between Tadoussac and Quebec, two mountains were shaken down: and the earth, thus thrown down, formed a point of land, which extended half a quarter of a league into the river St. Lawrence. The island Aux Coudres, became larger than it was before: and the channel of the river became much altered*.

From these accounts, it is evident, that Canada was the chief seat of these concussions: and of consequence, as it proceeded from those

NOTE.

* Vide Frezier's voyage, p. 210, 211. Journal des Sçavans, Mai, 1678. Charlevoix's hittoire de la Nouvelle France. parts, its course must have been some point between the west and north; probably much the same with that

of 1638.

After an interval of fixty-four years, fin which there had been feveral fmall shocks, but none so violent as to occasion a very long remembrance+) there came on another very memorable one, October 20, 1727, O. S. About 10 h. 40, P. M. in a very clear air and ferene sky, when every thing feemed to be in a most perfect calm and tranquility, a heavy rumbling noise was heard. At first, it seemed to be at a distance, but increased as it came near, till it was thought equal to the roar of a blazing chimney, and at last to the rattling of carriages, driving fiercely on pavements. In about half a minute from the time the report was first heard, the earthquake came on. It was observed, by those who were abroad, that as the shake passed under them, the surface of the earth fenfibly rose up, and then funk down again; which must have produced an undulation of the earth or a motion like that of a wave, both perpendicular and horizontal: first rifing in a pependicular direction, and as it subsided, spreading itself in a horizontal direction all around. The nature, therefore, or kind of the

NOTE.

† In Phil. Tranf. No. 437, mention is made of earthquakes in 1660, 1665, 1668 and 1669. Dr. Mather speaks of earthquakes in 1670 and in 1705. There was another in 1720, on January 8. But these, with some others, having been too small to occasion a general notice, and being only mentioned without any particular account of them, are passed by, as not affording us any light with regard to the nature, cause, or effects of these phenomena.

motion, was undulatory. The vi lence of the shock, like that of t other great earthquakes, was fuch to cause the houses to shake and roc as if they were falling to piece The doors, windows, and movable made a fearful clattering. The per ter and china were thrown fro their shelves. Stone walls and t tops of feveral chimnies were shake down. In some places, the doc were unlatched and burft open, ar people in great danger of fallin There were various opinions as the duration of this earthquake. Th most probable is, that the shake b gan about half a minute after tl roar was first heard, and rose to i greatest height in about a minu more: and was about half a m nute in going off. Whence, th duration may be supposed to have been about two minutes. It was ver generally agreed that the course (this earthquake was from north-we " The noise an to fouth-east. "fhakes," it is faid, "feemed to con " from the north-westward, and t " go off fouth-easterly: and fo the "houses seemed to reel." This ac count of its courfe, was confirme by all the others, one or two except ed, which differ fo much from on another, that nothing can be deter mined from them. With regard t the limits of this earthquake, it ex tended from the river Delaware, is Pennsvlvania, fouth-west, to Kenne beck, north east. At both thes places, it was fenfibly felt; though the shake was but small. Its extent therefore, from fouth-west to north east, must at least have been sever hundred miles, and probably many more. As to its other limit, fron north-west to south-east, we have no way to determine how far it extend ed. It was felt by veffels at fea and in the most remote westerly fettlements. As it came from the unknown parts, between the west and

rth, and passed off into the sea, is probable it might run some outand miles in such a course.

There were feveral effects attendg this earthquake, which feem orthy of remark. Besides what is mmon, as to the throwing down wter, fences, &c. it was observed, at feveral springs of water, and ells, which were never known to be y or frozen, were funk far down to the earth. Some were dried up. he quality of the water mended in me, and fo altered in others, as to eze in moderate weather. Some ots of firm dry foil, became per-A quagmires; and others, which ere full of mire and water before, came more dry. The centre of is earthquake, or place of greatest olence, feems to have been at ewbury, a town which lies at e mouth of Merrimack River. There," according to dr. Colman's count, "the earth opened, and threw up feveral loads of a fine fand and ashes, mixed with some fmall remains of fulphur; fo that, taking up some of it between the fingers, and dropping it into a chaffing-dish of bright coals, in a dark place, once in three times the blue flame of the fulphur would plainly arife, and yield a very fmall fcent. By this it feems evident, that it was a fulphureous blaft which burst open the ground, and threw up the calcined bituminous earth*."

NOTE.

* Phil. Tranf. No. 409. What is cre said of its being a sulphureous last, seems to be confirmed by the ecount which mr. Dudley sent to be royal society, in which he says, A clergyman, in a town about twenty miles from Boston, assured me, that immediately after the earthquake, there was such a stink,

Concerning this earth which was thrown up, the rev. mr. Lowel, minister in Newbury, mentions an uncommon circumstance. " One "thing," fayshe, "I may add, which " is very remarkable, and which " may be depended on: that about "the middle of April, the fine " fand, which was thrown up in " feveral places in this parish, at the " first great shock, October 29, had " a very offensive stench; nay, was " more naufcous than a putrifying " corpfe: yet, in a very little while " after, it had no fmell at all. How "long it was, before it began to " have this stench, I am not certain. "I know it had it not at first: and. "I believe, it was covered with " fnow till a little while before.-"There is no fmell now t." Thefe accounts refer to matters fo eafy to be known, that there is no room to fuspect that the authors (both gentlemen of a philosophic taste, as well as of eminence in their particular professions) could be mistaken. And it feems highly probable, from their observations, that the fand, which was thrown out by the earthquake, contained fome very noxious, ill-scented vapour, or effluvia; which, fo long as there was nothing to confine it, passed away in quantities too small to be perceptible by the fenses: but when it was kept together by the fnow, gathered in fuch quantities,

NOTE.

"or firong fmell of fulphur, that the family could fearce bear to be in the house for a confiderable time that night. The like is also confirmed from other places. Persons of credit do also affirm, that just before, or in the time of the earthquake, they perceived slasses of light." Phil. Trans. No. 437.

† Letter to dr. Colman. Phil. Tranf. No. 409. as strongly to infect the air, when the melting of the snow gave it li-

berty to evaporate freely.

Some phenomena were observed a few days before this earthquake, which deferve our notice, as having, probably, fome connexion with its approach. The rev. nir. Allin, then minister of Brooklyn, took notice of an uncommon alteration in the water of fome wells. " About three "days," fays he, "before the earth-" quake, there was perceived " ill-flinking fmell in the water of " feveral wells. Not thinking of " the proper cause, some searched " their wells, but found nothing " that might thus infect them. " fcent was fo strong and offensive, "that for about eight or ten days, "they entirely omitted using it. In " the deepcst of these wells, which "was about thirty-fix feet, the " water was turned to a brimstone "colour, but had nothing of the " fmell; and was thick like puddle-"watert." We have this account confirmed by mr. Dudley .- " A " neighbour of his, who had a well "thirty-fix feet deep, was, about three " days before the earthquake, fur-" prifed to find his water, which "used to be very sweet and limpid, "flink to that degree, that they "could make no use of it, nor " fcarce bear the house when it was "brought in: and imagining that "fome carrion was got into " well, he fearched the bottom, but " found it clear and good, though " the colour of the water was turned "wheyish, or pale. In about seven "days after the earthquake, the "water began to mend: and in "three days more, it returned to

NOTE.

† Account of the earthquake of 1727, by mr. Allin.

" its former (weetness and colour*. And just before the earthquak began, feveral wells were found t have no water in them, which ha great quantities before and after To whatever cause the alterations i these wells may be ascribed, it ca hardly be thought but that they ha fome connexion with the earthquake which in a few days ran through th whole country. Several shocks wer felt in the northern parts of New England, for fome months after the of October 29: but they were gi nerally small, and of a short dura tion+.

In 1732, there was an earthquake which, though fmall, was of a conf derable extent. It came on Septembe 5, O. S. at about 11h. A. M. be ing attended with a rumbling noise and was of such violence, as to occi fion a confiderable jarring of th houses. The duration of it was no more than ten or fifteen feconds. Th earthquake was much more cvider at Montreal, in Canada, then it wi in any part of New England; be ing attended with confiderable di mage there. As this was the chir feat of it, it feems to have con from thence, in a north-westerl courfe, to New England. Its ex tent, from fouth-west to north-eas was equal to that of most of th earthquakes that have been in the country; being felt from Marylan to the north easterly parts of New England: and from north-west t fouth-east, it reached from Mor treal, and probably from man

NOTES.

* Phil. Tranf. No. 437.

† The account of this earthquak is collected from the printed account of it in the philosophical tranactions, and by several of the New England ministers,

iles beyond it, to the fea coast.* From the year 1732, though iere had been some small shocks, iere was none that occasioned a geeral notice, till 1744. That year, n June 3, O. S. a fair and hot day, here was an earthquake, so considerole, as to be generally felt thro' the rovince. It began a few minutes ter 10h. A. M. being preceded ith a very loud report; and is faid have rose to such a violence, as to take down fome bricks from the pps of fome chimnies, and also fome ieces of stone wall. The course of is earthquake, is faid, by fome that member it to have been from the estward to the eastward. As to ther particulars I can find no ac-

The next earthquake that shook to whole country, was in the year 755. November 18, N. S. at 4h. 1'35" ‡, in a calm serene and plea-

NOTES.

* Vide Phil. Tranf. No. 429, nd for 1757, p. 13, and also profesor Kalm's travels, vol. i. p. 44, 2d dit. London. On February 6, 737, at 2½ P. M. and December 7, little before eleven at night, small arthquakes were selt at Boston: but o particulars are mentioned as to heir phenomena.

† Phil. Trans. for 1757, p. 14,

nd American Mag. for 1744.

The beginning of this earthquake was determined to all the xactness that could be desired, by the ollowing accident.—Professor Winhrop at Cambridge, some time beore, having used a pretty long tube, n a particular experiment, shut it up n his clock case, for security. This ube, standing nearly perpendicular, nust have been overset by the first hock, which made it impossible for he pendulum to make any oscillatiin, after the tube had struck against

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fant night, came on the most violent shock of an earthquake that was ever known in New-England. The first thing observable, was that rumbling noise, or roar, which, as a found, fui generis, feemed a prelude to an earthquake. In about half a minute, the furface of the earth feemed to be fuddenly raised up: and, in subsiding, was thrown into an univerful trembling, or a very quick jarring vibratory motion, which acted in an horizontal direction. This motion continued for about a quarter of a minute, and then abated for three or four feconds. Then, all at once, came on a violent prodigious snock, as fuddenly, to appearance, as a thunder clap breaking upon a house, and attended with a great noise. This fudden and great shock began with the same kind of motion; and was immediately fucceeded by quick and violent concussions, jerks and wrenches, attended "with an undulatory, waving motion of the whole furface of the ground, not unlike the shaking and quaking of a very large. bog." After this great shock had been gradually declining and going off, near half a minute, there was a fenfible revival of it, though of short continuance; and fo all by degrees became still and quiet again.

The violence of this earthquake was the greatest of any we have ever had in the country, "In"

NOTE.

it. The clock stopped at the time mentioned above. Being a very good one, and having been adjusted by a meridian line, the preceding noon, it must have pointed out the beginning of the earthquake to a great precision. Had the time been as accurately determined at any other distant place, the velocity of its motion might have been determined to great exactness.

Boston, besides the throwing down of glass, pewter, and other moveables in the houses, about an hundred chimules were, in a manner, levelled with the roofs of the houses; and about fifteen hundred shattered, and thrown down in part. Some were broken off feveral feet below the top; and by the fuddenness and violence of the jerks, canted horizontally an inch or two over, fo as to itand very dangeroufly. Some others thus broken off, were turned round feveral points of the compass, as with a circular motion. The roofs of fome houses were quite broken in by the fall of chimnies. The ends of about twelve or fifteen brick buildings were thrown down, from the top to the eaves of the houses. Many clocks were stopped. The vane upon the public market house was thrown down; -the wooden spindle, which supported it, being broken off at a place where it was five inches in diameter, and ten feet in height; and which had stood the most violent gusts of wind. A new vane, upon one of the churches in the town, was bent at the spindle, two or three points of the compass: and a distiller's ciftern, made of plank, almost new, and very strongly put together was burst to pieces, by the agitation of the liquor in it; which was thrown out with fuch force, as to break down one whole fide of the shed that defended the cistern from the weather; as also to stave off a board or two from a fence, at the distance of eight or ten feet from it." Much the fame things were observed in the country. At Springfield, a town distant about eighty miles in a westerly line from Boston, a spindle on one of their churches, was bent to a right-angle-And through the whole province, much damage was done by the throwing down of stone fences, cellar walls, chimnies, and the like. These things may serve to

give us pretty just ideas of its violence: but it is to be observed, that the violence of the shock was different in different places; and not exactly the same in towns contiguous to one another; or indeed in all the parts of the same town.

There has been no earthquake in the country, whose duration was determined with fo much accuracy as was that of this. Professor Winthrop at Cambridge, the day before, had adjusted his clock and watch by a meridian line. His clock was stopped at 4h. 11' 35". Being awaked by the earthquake, he arose, and looking upon his watch found it to be fifteen minutes after four. jarring continued about a minute after this. The next day the watch was found to have kept time very exactly. So that the duration of the earthquake, taking in the whole of the time from the first agitation of the earth, till it became perfectly quiet, was very nearly four and an half minutes; though the violence of the shock did not last half so long. This observation of its duration at Cambridge, agreed pretty well with fome of the same kind made at Boston, by gentlemen who were up, and looked upon their watches when it began and ended. In other places, its duration might be different, according to the different violence of the shock.

By the accounts of those who were in the commons and open places, when the earthquake began, the course of it was nearly from northwest to south-east. It was almost universally agreed, that the noise and shakes seemed to pass in that direction: and those things which were in such a situation as that they might have been thrown indifferently to any point of the compass, pretty generally lay in that direction.

The extent of this earthquake, was traced to a great distance. On

e fouth-west, it reached as far as hefapeak-Bay in Maryland: beg felt on the eastern, but not on e western side. To the north-east, was felt as far as Halifax. It is uch more difficult to determine its estern or eastern limit. It extended all our back fettlements; was It at Lake George, and probably any miles beyond: but at Ofwego, tuate on the fouth eaftern shore of ke Ontario, and distant from Boston pout two hundred and fifty miles est-by-north, it was not felt at 1. On the atlantic, the shock as fo great, feventy leagues eaft of ape Ann, that the people on board vessel, in that longitude, thought iey had run aground, or struck pon a rock, till on founding, they ound they had more than fifty faiom water. By accounts, which ere foon after received from the Vest-Indies, it seems probable that ie earthquake reached as far as those lands; or, rather, passed by to the astward of them. The account was, That on the 18th of November, about two o'clock in the afternoon, the fea withdrew from the harbour of St. Martin's, leaving the vessels dry, and fish on the banks, where there used to be three or four fathom water: and it con-'tinued out a confiderable time; fo that the people retired to the high lands, fearing the confequence of its return: and when it came in, it arose six feet higher than usual, ' fo as to overflow the low lands. 'There was no shock felt at the ' above time."

As this extraordinary motion of he fea happened about nine hours after the great shock was felt in New-England, it feems very likely to have been occasioned by the same convultion of the earth. As this earth-puake went off south-eastward into the Atlantic, it would pass considerably to the eastward of St. Martin's,

which has about 180 of north latitude, with 62 10 of west longitude. And this was the cafe at the island. There was no thock felt: but the motion of the fea was probably owing to a great agitation, raised at a considerable distance, in some part of the ocean, by the passage, or by an eruption of the earthquake, and from thence propagated to that island. And what seems to be a confirmation of this, the length of time was no greater than what feems neceffary for fuch a purpose. We cannot, indeed, state, with great accuracy, the velocity with which the earthquake moved: but yet it is very evident from its duration, and being preceded with a roar, that its motion was not very fwift: and that of the waves, raifed hereby, and propagated, to the land, must have been much flower: both of which might eafily take up nine hours in being propagated, and that in a circular direction. to fuch a distance as that of Boston and St. Martin's. The extent, therefore, of this earthquake, from fouthwest to north east, must have been about eight hundred miles: but from north-west to fouth-east, it reached at least nineteen hundred; and, perhaps, many more.

As the effects of this earthquake, great alterations were observed in the springs, wells and ponds of water: in some, the quality of the water was altered; in others, the quantity. New fprings were opened; old ones dried up; the channel in many was much changed; and the water in fome was observed to boil up in an unufual manner, for feveral days both before and after the earthquake. At Pembroke, Scituate and Lancaster, there were chasms made in the earth. At Pembroke, there were four or five of them; out of some of which, water iffued, and many cartloads of a fine, whitish and compressible fort of fand, was spewcd*. Nor were its effects confined to the land;—feveral of the feafaring men agreed in their accounts, that almost immediately after the earthquake, large numbers of fish, of different forts, both great and small, came up to the surface of the water, some dead, and others dying. One of the fishing vessels, at that time out upon the banks, took up and brought in several quintals of these fish, which were found in large numbers, dead and dying, upon the surface of the sea, †

NOTES.

* Speaking of this fand, "By what I have heard," fays dr. Mayhew, "it was of a fulphureous nature." It is to be regretted, that no experiments were made with it, to determine, with certainty, whether

this was the case or not.

+ In phenomena, of whose causes we have fo little knowledge, it is best to note every circumstance, however minute, and whether it feems to have much connexion with the supposed causes or not; as we do not know but that they may be of use, when future observations come to be compared with them. For this reason, it may not be amiss to subjoin to the above account. 1. That at the time of the earthquake, there was no alteration in the atmosphere, as to its weight or temperature: the barometer and thermometer not undergoing anvalteration. 2. A very great white frost was observed in the morning, much larger than had been for feveral years, When it was melted, profesfor Winthrop measured it, and found that it covered the ground 17 parts of an inch; which was almost double of any there had been for seven years before, about five or fix times as great as what is common in this country. The account of this earthquake is sollected from professor Winthrop's

There were feveral fmall shoot foon after this of November 18 .-One in about an hour and a quarte after the first, viz. at 5h. 20%. fecond, on November 22, at twenty feven minutes after eight at nigh A third, on December 19, at 10 P. M. Their violence and duratic was fmall; their course, much lil that of the great shock; and the extent, fuch as to be pretty general felt through the country. Mar others, but very small, were felt different parts of the Massachuser and New-Hampshire, for sever months after.

In 1757, there was another eart quake; which, tho' fmall, was g nerally felt. I cannot find any prin ed account of this shock, and, ther fore, can only mention fome gener observations, which I then made it. It came on July 8, N. S. about 2h. 20', P. M. I was the in an open field, furrounded wi pretty high hills, from the fonth-we to north-east, in company with an ther person. The first thing we pe ceived was a fmall noise, like th of a rifing wind, which feemed be at a great distance, but swift advancing. It was half a minu before there was any shock. inferred, not barely from any co jecture I was then able to mak which in a state of surprise must I greatly uncertain, but from this ci cumstance: after hearing the noil we had enquired of each other wh it could be; and as there was no shak concluded it was not an earthquak when immediately the shock came o The conversation I well remember and am certain it must have take

NOTE.

lecture, and account of it in Phi Tranf. for 1757, art. 1. and from drs. Chauncey's and Mayhew's accounts of it.

half a minute, if not more. The ock itself was not of very great ce; but seemed as though some all body was fwiftly rolling along der the earth, which gently raised that part of the furface, that was er it, and then left it as gently to blide. The course of this earthake appeared, to me, to be from e fouth-west to the north east .he noise and shake seemed very ainly to come on, and go off in at direction. I might, however, deceived by the reflexion of the und from the adjacent hills, or om some other cause; for almost ery one judged very differently of course, that it was from northest to fouth-east. This was the dgment of feveral men, who were work together, in a large open ld, where there was nothing to flect the found, or mislead the dgment. It is not impossible that oth might have been right in their pinion; and this, upon the whole, ain apt to think was the case: that though its general course was from orth-west to south-east, yet, in partiilar places, it left its general course, nd run out to any point of the ompass, as the subterraneous veins, r channels, might lead it. From ne effects of other earthquakes, paricularly that of turning and twiftng chimnies, &c. it feems as though his had been the case with most of he large earthquakes we have had.

On the 12th of March, 1761, here was also a small earthquake. t began about 2h. 30' in the morning. It was said to have been divided into two shocks, with a small pause between, the last of which was the greatest. The weather was moderate, like that of the preceding day, and a perfect calm rested on the land and water; the horison all around, being covered with a whitish fog. The duration was supposed to be about half a minute. Hap-

pening in the night, and being too fmall to awake people in general, nothing can be collected with any certainty as to its courfe. Its extent however, was confiderable; being felt not only in the Massachusetts, but in most of the adjoining states.

The fame year, on November 1, about 8h. P. M. there was another earthquake. As usual, this was preceded with a heavy rumbling noise. which increased to a pretty loud report as it came near. There was a confiderable interval of time between the roar and the shake. I endeavoured to make fome computation of it by this method: just as the shock began to abate, I looked on my watch to note the time. The report I could hear for about half a minute after this. It is probable it was about as long in coming on, which would give half a minute between the noise and shake. The shock itself was of the undulatory kind: not violent, but fufficient to make the doors and windows jar and clatter. Its course was very plainly from north-west to south-east, and it was pretty generally felt thro' the state, and in New-Hampshire,

In the years 1766, 1769, and 1771, there were finall earthquakes. Their courses were all, I think, from about north-west to south-east. Their durations not more than twelve or fifteen seconds; and their extent but small. Not being attended with any thing remarkable, it is not necessary to write particular accounts of them.

November 29, 1783, about 10h. 54', P. M. there was another small earthquake in New-England. Its extent was very considerable; being felt in Pennsylvania, New-Jersey, New-York, Connecticut, Rhode-Island, Massachusetts, and New-Hampshire. At Boston, there was but one shock; and that was not violent enough to be generally perceived. At Hartford and Newhaven, in

Connecticut, but one shock was perceived; but it feems to have been more confiderable than at Boston. At New York, three shocks were felt, about the hours of nine, eleven, and two the next morning. At Philadelphia, they had a shock about eleven o'clock, and another the next morning, about two. At the first of these, " most of the houses were "very fenfibly fhaken," but the other was not generally felt. Being but fmall in most places, and haprening in the night, the course of this earthquake was not much attended to. The only remark I can find upon this, is in an account from Newhaven; in which it is faid, "Its course was nearly from north " to fouth, and it continued about " one minute."

Observations and remarks on the earthquakes of New-England.

O have a general view of the agreement and difagreement of the phenomena that have attended the carthquakes of New-England, it may be of use to make some general observations on the preceding historical account.

It feems worthy of remark, than all the earthquakes of this country, have been of the fame kind. Writers on this subject, have sometimes diffinguished earthquakes into two different kinds, according to the different motions of which they have confifted. In fome, an horizontal, in others, a perpendicular motion has been chiefly observed. In the one, the earth feemed to move, as it were, from fide to fide: in the other, its motion feemed to be up and down. Both these motions have been united in the earthquakes of New-England. All, of which we have had any particular account, have come on with an undulatory motion, like that of a wave; which first rifes till it comes to its

greatest height, and then subside and in fubfiding, spreads itse with an horizontal motion, all round. This has appeared, w the most sensible evidence, to be t case, in all the earthquakes I ha They have all appeare ever felt. to me, to come on, as if a fo. body, or a wave of earth, (if t expression may be allowed) was reling along under the furface of t earth; which first raised that p which was over it, and then left it gi dually to subside: the consequer of which was, a strong undulato motion of the earth; which was in mediately fucceeded with an unive fal trembling, or very quick jarrin vibratory motion, as though t earth was struggling to recover former polition.

Another thing observable in tearthquakes of New England: they have all gone in much the far course. As to two or three of t earthquakes, we have no account their course: but in all those which it was determined, there is very great agreement. They are: described as coming from abo north-west, and going off abo As this was the ca fouth-east. with all whose direction was obser ed, we may rationally conclud that they all proceeded in prett much the same general track; i a path from about north-west 1 fouth-east, though with many sma deviations and irregularities, in pa ticular places. This, if I do no mistake, has not been generally th case in the earthquakes of other places. The great earthquakes which have fpread defolation in Sicily Peru, and Jamaica, instead of pre ceeding in any regular course, as described rather as instantaneou blafts, which ftruck dreadfully up wards,-not proceeding in any ce: tain track, from one country to and ther; but fuch as burst and rent

e circle of earth all around. with us, they have all proceeded different manner; and in a manapparently regular; -fiercely ring along, as it were, in the fame n, as though a passage had been n for, or by them, from one ntry to another; in fome places ing more near, and in others, ning more remote from the furface the earth. And the distance to ich fome, and probably feveral e run in the same course, has been atly amazing; -nineteen hundred es at least, and how much more know not.

from the last remark it seems proole, that the earthquakes of this ntry, have had their origin at ie confiderable distance to the th-west of New England, and libly at much the fame place. latever might be the case with fe fmall shocks that have had but mall extent, or wherefoever they ght begin, the larger ones have been observed to come from the rth-west; and they were of much fame violence at the most northsterly fettlements, as at other ces in the country. The place, refore, where they have had their gin, must have been in some part the unknown lands which lie to north-west of New England; d probably at fome confiderable stance from any of the European tlements; as there has been no count from any of them, in which had not the fame direction, comg on from the north-west. Wheer the great shocks have all origited at the same place, we have no ly to determine; but from the reement of their courses and moons, it feems not an improbable pposition.

There feems to have been a partilar part of the continent of Northmerica, which has been the feat of e earthquakes of New England, and to which they have always been confined. To the fouth-west, they have feveral times reached as far as-Maryland; but never fo far as Virginia or Carolina. To the northeast, they have been bounded by Nova-Scotia; having never been felt much farther than Halifax. From the unknown lands, at the northwest, they have gone off fouth-east into the Atlantic: their extent this way, being greater than we are able to trace on either point of the com-The province of Massachufetts-Bay, or rather, that part of New England which is about the latitude 43° north, where the river Merrimack empties itself into the Atlantic, has generally been the centre or place of their greatest violence. If from this place, a line be drawn north-west, it will pretty well represent the central course of the earthquakes of this country: and from this line they have extended about four hundred miles to the fouth-west and north-east. It is not meant to be very particular, but only general, as to these bounda ies .-And the whole country, within thefe limits, has been repeatedly shaken most violently about the middle, and least fo towards the fouth-west and north-east boundaries. As far as can be gathered from the accounts, it feems probable, that most of the great shocks have reached to much the fame places: the finall ones, indeed, have not had fuch an extent ; being felt only in different provinces and towns. But all the earthquakes, within the above-mentioned limits, have come from the fame point, and ran in the same course: the great ones reaching to much the same extent, as though there was fomething. to direct their motions the fame way. and confine them to the same limits.

With what velocity these earthquakes moved, it is not easy to determine. In-many accounts of earth-

quakes, their motion has been faid to be inflantaneous, like that of the electrical shock. The reverse has been the case in the earthquakes of New-England. Instead of being instantaneous, their motion has never been very fwift. To compute, indeed, with accuracy, with what velocity any of them moved, we have no sufficient data. Had the times at which any of them begun, been carefully noted at places whose distances were known, it might have opened the way to some very curious conclufions. But all the accounts, excepting one of professor Winthrop, are too general to form any certain inferences of this kind. There is, however, one article in the accounts of the earthquakes of 1727, 1755 1757, and 1761, from whence we may conclude, that the velocity of their motion, was confiderably lefs than that of found. Most of the accounts of the earthquakes of 1727 and 1755, agree, that the roar was heard at least half a minute before the shake began. The found, therefore, that was occafioned by the approach of the earthguake, preceded the shock with a motion confiderably swifter than that of the earthquake itself. Now, found moves about thirteen miles in a minute; and the motion of this was confiderably swifter than the motion of the earthquake. In the earthquakes of 1757 and 1761, the found was also heard half a minute before the shock was felt: and as the report was much less, and therefore could not reach fo far as in the larger shocks, the inference will be, that these small shocks moved with a velocity confiderably less than the larger one. And, indeed, the fupposition seems not improbable, that the velocity with which an earthquake moves, should bear some proportion to its violence-to the firength and force of those causes, by whose operation it is produced.

Whether there does not feem for evidence that this has been the caf with us, the reader will judge fo himself, from what has been observed above. If this is the case, as believe it is, future observations madetermine it with much more certainty and precision, than any the have yet been made.

But although we are able to di cern some appearances of agreemen and fimilitude in those phenomen that have been mentioned, we car not differn any in the times in whic thefe earthquakes have happened From their having all proceeded i the same course, one might be led t fuspect, whether their causes, what ever they are, operating in the far direction, would not require nearl the fame intervals of time, to gathe fufficient force to produce the fam effects. But nothing of this natur is apparent. The intervals of time at which they have happened, hav been very different, and without an apparent regularity. Not to mentio the smaller shocks, there have bee five which have been distinguished by their being much larger than th rest: those, I mean, of 1638, 1658 1663, 1727, and 1755. Betwee the two former of these, there wa an interval of twenty-eight years .-Between the two next, an interval c five years: then one of fixty-four and between the two last, of twent years. At a medium, this will mak one in about twenty-feven years. Bu in these different intervals, there i no apparent order, regularity, or pro portion, in the times of their happen ing. Neither does there feem to b any proportion between the interval of time, and the violence of the shock One would be apt to imagine, that the longer the causes were gatherin ftrength, the greater would be th violence of the earthquake when i came: and yet that of 1755, wa greater than that of 1727, thoug

e interval of time had not been ilf fo long. It is to be observed, owever, that as our accounts of the rthquakes are but imperfect, as to eir number, and much more fo as the degree of their violence, all ir reasonings, upon this article, ust be very uncertain. Nor could e, without very accurate accounts the time and violence of the irthquakes—the fmaller ones ell as the greater-state any proortion between the times and the locks, supposing such proportions exist. But if there be any such roportions, or any order and reguirity, in their periods, it is not aparent; indeed rather the contrary, om all the accounts I have been ble to collect.

It is also worthy of remark, that hese earthquakes do not seem to ave any connexion with any thing hat falls under our observation. It ias been suspected, by those who acount for the origin of earthquakes on the principles of electricity, and by many others, that there is fome connexion between the state of the weather, or rather atmosphere, and the happening of an earthquake. As our knowledge of this subject is so imperfect, it may not be amiss to note every thing of this kind. And it is observable, that the earthquakes have generally happened in calm, ferene, and pleafant weather. Some of the accounts are very imperfect in this respect: yet, in general, they feem to agree pretty much in this particular. But though it has generally been the case, that the earthquakes have come on in fair and pleasant weather, it has been univerfally fo. In the earthquake, which happened November 22, 1755, after the great shock on the 18th, the weather was not clear and fair, but dull, and cloudy, and attended with fmall showers, and a brisk gale at fouth-west. And in Vol. III. No. IV.

March, 1771, there was a small shock, when, instead of the weather being fair, there was a heavy storm of snow. But perhaps it is of no great consequence to mention this. It has been more common for writers on this subject, to attempt to find fome preceding figns, or forerunners, of these events. And in this respect, fear and superstition have been abundantly fruitful. Philosophy has nothing to do with the many idle reports of this kind. which have prevailed among the vulgar. But among the many things which have been supposed to exist. there is one which deferves our notice, as having probably a real foundation in nature. Ancient and modern writers have supposed, that it might in fome cases be a prelude to an earthquake, when the water in deep pits, wells, caverns, fprings, &c. is thrown into uncommon motions, diffurbed, altered and changed, as to its courle, kind, or quality. It is rational to suppose, that fuch events may, in some cases, proceed from those causes, which, in a little time, have burft out, and rent the adjacent country. Some curious observations of this kind were mentioned by mefficurs Dudley and Allin, as happening a few days before the earthquake of 1727: and fomething of the same kind was observed previous to the earthquake of 1755. As these accounts have been mentioned*, it is unnecessary to repeat them here. I am far from supposing, that any certain prediction of earthquakes can be generally made from fuch observations; as fuch events may, and no doubt do, happen, without being followed by any shocks; and earthquakes often take place without any fuch events. But at the fame time it can hardly be doubted that the

NOTE.

^{*} Vide p. 293 and 296.

alterations observed in the water of thefe wells, were owing to the operation of the same causes, which in a few days burft forth with fuch violence as to shake all New England. With regard to the ill effects, which have fucceeded earthquakes in fome countries, it is well known there have been many and fearful accounts. In some places they are said have been followed by great mortality, pestilential disorders, and the most raging sickness. Nor is it improbable that the air should be infected with noxious effluvia, from the vapours which were before confined, and perhaps corrupted. feems credible, that fomething of this nature has been the cause, and probably, the consequence of earthquakes, in some places. Many of these reports, indeed, feem to be much like what has been faid of the effects of comets, meteors, and the conjunctions of the planets. But at the fame time it feems probable, both from ancient and modern accounts, that in some places, pestilential disorders have, in fact, and probably as the confequence, succeeded great earthquakes. Nothing of this nature has been the case in New England. It is, however, highly probable from the rev. mr. Lowel's observation*, that some very noxious vapour or effluvia, attended the eruption of the earthquake of 1727: but no bad effects, no pestilential distempers, no sweeping fickness, or uncommon disorder, or mortality, have been observed to succeed any of the earthquakes of this country; no otherwise, at least, than what has been common at other times.

NOTE.

* Vide p. 295.

(Conjectures on the causes of these earthquakes will appear in our next.) Theory of water-spouts, by Andrea Oliver, esquire, of Salem, in the slav of Massachujetts.

Y last essay; contained a the ory of lightning and thunde storms, which was suggested to mind upon the perusal of doctor Priest ley's history of electricity. In thinvestigation of which theory, while I was endeavouring to account to the exhibitions of those phenomenupon the ocean, at great distance from the land, some thoughts naturally occurred, relative to the water spout—a phenomenon as curious per haps as any one in nature, and which can rarely take place but at sea.

Water-spouts have by some beer supposed to be merely electrical in their origin; particularly by fignio Beccaria, (Priestley's hist. of elect. p 355, 356) who seems to have supported his hypothesis by some experiments. But as feveral fuccessive phenomena are necessary to constitute a complete water-spout, (some of which undoubtedly depend upon the electric principle) if we attend to the most authentic descriptions of these spouts, through their various stages, from their first exhibition to their total diffipation, we shall be obliged to have recourse to some other principle, in order to obtain a complete folution. I shall, therefore, first defcribe these phenomena according to the best observations I have met with; and then, endeavour to give a general philosophical solution of thein. But I must here observe, that the following descriptions are all taken from the accounts of mariners, who are indeed the only persons who have opportunities of viewing them; but, unfortunately for the cause of philosophy, do not usually observe

NOTE.

† See page 226.

hem with that circumstantial accuacy, respecting the previous and subequent states of the atmosphere. which may be necessary to found a complete physical folution upon, nor vith any view to that end; as it is oreign to their main business, trade ind commerce. But as fuch accounts re the best I have met with even in he transactions of the royal fociety lown to 1744, lower than which I lave not féen them; from fuch I shall ndeavour to draw the best conclusion which the nature of the evidence will uftify.

The most intelligent and beautiful ccount of a water spout, that I ever net with, is in the abridgment of he Phil. Trans. vol. viii, by Marin, pa. 655, as it was observed by 1r. Joseph Harris, May 21, 1732, bout funfet, lat. 32° 30' N. long. 9° . from Cape Florida: which I shall

ere transcribe.

" When first we saw the spout it was whole and entire, and ' much of the shape and proportion of a speaking trumpet; the small 'end being downwards, and reaching to the sea, and the big end 'terminated in a black, thick cloud. 'The spout itself was very black, and the more fo, the higher up. 'It feemed to be exactly perpendicular to the horizon, and its 'fides perfectly fmooth, without the least ruggedness. Where it ' fell, the spray of the sea rose to a 'confiderable height, which made ' somewhat the appearance of a great 'fmoke. From the first time we ' faw it, it continued whole about 'a minute—and, till it was quite dif-'fipated, about three minutes. It began to waste from below, and ' fo gradually up, while the upper ' part remained entire, without any ' visible alteration, till at last it end-'ed in the black cloud above. Upon which there feemed to fall a very heavy rain in the neighbour" hood. There was but little wind, " and the fky elfewhere was pretty " ferene."

In other accounts, contained in the philosophical transactions, these phenomena are described as having the appearance of a fword pointing downwards, fometimes perpendicularly, fometimes obliquely, towards a column of water or froth, which feems to rise out of the sea to meet it, attended with a violent ebullition or perturbation at the furface. in others the appearance is compared fmoke afcending vifibly through the funnel of a chimney, either directly, or with a spiral motion, which, according to the fancies of fome, refembles the afcent of water in the screw of Archimedes; by supposing something similar to which in the atmosphere, they have endeavoured to account for the rife of the water from the fea in a water-spout. To which I would add, that, from the relations of some persons who use the sea, with whom I have conversed upon the subject, I find that it is no uncommon thing, during a calm below, and a ferene sky above, to observe at the distance of two or three leagues, a finall cloud hovering in the air, from whence the commencing fpout feems to dart downward to the fea, upon which the ufual phenomena take place in their order. I have also been informed (and to information I must trust, having never been at fea) that it is common, during these appearances, for ships to fail, even within hail of each other, with different winds: and within the limits of the same vifible horizon, with contrast winds: and lattly, that the rife and progress of this phenomenon is fometimes fo rapid, that, even in a ferene sky, a few minutes will be fufficient to generate a cloud from one of thefe foouts, and to discharge from thence a heavy shower of rain.

Before I proceed to attempt a philofophical folution of these curious productions of nature in which the two principal fluids of our globe, air and water are largely concerned; it may be necessary to make some observations upon the nature and properties of fluids in general, as such.

1. No fluid can be at rest unless every part of it respectively be acted upon by an equal force or pressure in every direction: till then its several parts will necessarily recede from the greater pressure towards the lesser; nor can an equilibrium take place.

2. If two or more fluids of different natures and densities come together, such as quicksilver, water, oil, and air, which will not mix; they will take their places according to their specific gravities, the most dense remaining at the bottom.

3. If a veffel be filled with either of these fluids, and a denser one be admitted into it, the latter will expel and

take place of the former.

4. If an empty cylindrical space be furrounded on all fides by a fluid, which is excluded by some resisting surface terminating that space, the Huid will necessarily, upon the fudden removal of the obstacle, immediately flow in from every fide towards the centre of the void: and as it flows inwards, the parts, next furrounding this space, will thereby be crowded together, and force each other upwards, till at length, when closed, the fluid will, by its ascent, have formed a column directly over the middle of the space, to a height proportionable to the united force of the converging currents. This must be the case with every fluid thus flowing into a vacuum; and in a lesser degree, when a denser fluid, in a fimilar fituation, supplants a rarer: and the greater the difference of the densities of the two fluids might be, the more conspicuous would be the effect.

This reasoning may be illustrated and the conclutions exemplified, b facts which must have occurred t the observation of every one. we not observe, when a shower of hail, or rain in large drops, falls upc the furface of stagnant water, th the water rifes, wherever they fal like so many little inverted icicle which again instantly subside? tl cause of which undoubtedly is, th these drops, or hail-stones, descen ing from a great height in the atm fphere, acquire feverally fuch a m mentum in their fall, as to plung through the furface to a proportion depth, driving the superficial wat back on every fide, and leaving momentary vacuum behind them not indeed a pure vacuum, but su relative to the furrounding flui which immediately returns to fill 1 the chasm, and as it closes, gathe and rifes in the little columns abo When a large roui described. flone, or any other heavy bor plunges, the effect is proportionab greater.

5. Let us, for argument's fak suppose the atmosphere over any co tain circular tract of ocean, of for miles in diameter, to be for a m ment annihilated, the space it occ pied before being reduced to a pu vacuum—the furrounding Iphere, when at liberty, would ru in from every quarter towards t centre, where the converging cu rents would immensely croud ea other, and force up a vast quanti of air through a very narrow funne contracted below by the united pre fure of those currents from all fide into the higher regions; which fu nel, as the density of the air lesse according to its height, and the fu rounding pressure which contracts must decrease nearly in the fan proportion, would more and mo diverge and expand, the higher it ro above the furface of the sea. Th ould be attended with a most furious last of wind up to, and far above top of the atmosphere. In like lanner,

6. If instead of a pure vacuum, r a total annihilation of fuch part f the atmosphere, we suppose the hatever, specifically lighter than e furrounding regions, the effect rould be the same as above, in kind, rough not in degree; the denfer air owing in, but with less rapidity, com all quarters without, expelling ne lighter, and supplying its place, s in article four; upon which also large quantity of this confluent air, or the fame reason, would be driven p with violence through a like narow vent, yet not with the same imetuofity nor to the fame height, as f forced through a funnel into a jure vacuum.

That the atmosphere, over large racts of fea or land, may thus become pecifically lighter than that over the urrounding regions, will be evident, f we confider, i. That heat has a natural tendency to rarefy and expand the air upon which it acts. 2. That the atmosphere, over our heads, does not confift of mere elementary air, but is an univerfal receptacle of all the heterogeneous vapours and effluvia which are perpetually exhaling from every fubitance which exitts upon the face of the earth, whether animal, vegetable, or mineral. 3. That, by the casual disposition of these vapours and effluvia in the atmofphere, the air, which is, of itself, naturally enough disposed to acquire heat from the passage of the sun's rays through it, may become more disposed to imbibe and retain that heat, in one region, than in another in its neighbourhood; which, from the intervention of clouds, or from its purity and freedom from those steams and vapours with which the former is charged, may, in

great degree, retain its natural coolness and density, while the other becomes heated, raresied, and expanded, and is thereby rendered specisi-

cally lighter.

That these different affections of the atmosphere actually take place, and dispose the air, at one time and in one place, even in the same seasons of the year, to imbibe and retain the heat excited by the sun's rays, more than at another, is not a matter of mere conjecture: but, whatever the cause may be, is notorious to all persons of observation.

These things being premised, I beg leave to observe further, that some parts of the ocean are liable to long and extensive calms, during the continuance of which the heat is scarcely tolerable. Where these take place, the air must necessarily undergo proportional changes in its density and electric capacity; and, when heated and rarefied to some certain degree, will give way, as observed above, to the denser air, now proportionably disposed to slow in from all quarters without the limits of the calm.

When once this stagnated air, especially if of any great extent, becomes specifically lighter than the furrounding air, and fufficiently rare to be supplanted by it—the latter will, of course, set in from every side in horizontal currents; which will flow, either directly or obliquely, towards one point, in or near the centre of the becalmed region aforefaid: the obliquities of which currents will depend upon the directions and velocities of the winds, or currents of air, which might previously have taken place in the furrounding regions. When these currents arrive

NOTE.

See theory of lightning, &c. page 230.

at the centre of their mutual convergency, all the flagnated and rarefied air, which was before incumbent upon the calm furface of the sea, will have been expelled and forced higher up into the atmosphere; upon which these currents, by their mutual concourse in one place, will excessively crowd each other, as observed above, wherever it happens, driving the central air upwards with a violent biast; which, should the currents set in obliquely, and so converge with a fpiral motion, towards the centre of their mutual concourfe, would ascend as through the fcrew of Archimedes, or the worm of a cork-screw, to both of which navigators have likened these spouts: otherwise, it would rife through a strait, narrow funnel, as in articles five and fix above; which, if filled with any opaque matter, would become visible; and, at a distance, would resemble a speaking trumpet, with the small end downwards, in which form the waterfpout frequently appears. In the former cases a whirlwind round about the centre, would undoubtedly be the consequence: and in either, a water-spout would probably be produced*. For the pressure of the atmosphere is taken off from that part of the furface of the fea, which is directly under the funnel through which the air is driven up: whereas the furrounding furface is at the same time uncommonly pressed, from the confluence of the currents from all quarterst; whereby the water must

NOTE.

* We shall in the sequel see abundant reason to conclude with doctor Franklin and others, water-spouts at sea, and whirlwinds on the land, (some species of them at least) are produced by the same

+In the abridgment of the philosophical transactions, vol. II. (by Eames

necessarily be forced up to a certa height proportional to the furroun ing pressure, through the same fu nel with the air itself: nor is this al for in their ascent, the air and wat become confusedly mixed togethe whereby the latter is broken and a tenuated into the finest globules ar partieles, as when one forcibly blow water out of his mouth: and fro this mixture of the two fluids doub less arises that opacity which rende the spout visible.

This opaque column of air an water, together with the passag through which it ascends, will ex pand as it rifes, in proportion as tl compressure diminishes; and, to spec tators at too great a distance to di cern the narrow stem next the wate will resemble a sword, or acute cor pointing downwards from a fma cloud; to which they are frequentl likened. But that they do at th same time communicate with the fea is evident from the perturbation of the water directly under them which fometimes boils and foams a a great rate. This is usually the firl appearance of one of these spouts the duration of which is either longer or shorter, and the subse quent phenomena more or less con fiderable, according to the extent of the cause, and the mode of its operation.

The water being thus raised from

NOTE.

and Martin) page 61, at the bottom, it appears, that the meeting of two contrary currents of air or contrary winds, raifes the mercury in the barometer near the place where it happens, which indicates an increase of the pressure of the atmosphere upon the furface of the earth or fea. How much more then must that pressure be increased, from a general confluence of the air from all quarters towards one spot?

fea, and forced irrefiftably uprds in the finest globules by the struding air, arrives at length at warm electrical air* lately expel-, which was previously incumbent on the calm surface beneath; the etric attraction of which probably its the further afcent of these pares after the first fury of the blast pent. There it undergoes another ration, being converted into vair, whereby it is wholly difchargof the marine falts it carried up h it+; which are now left to t for themselves, together with umerable other heterogeneous ouscles, which successively float the atmosphere, and which, in time, become feverally subserit to many wife purpofes in the nomy of nature. These vapours then be greedily attached by craving particles of this air, deficient of its natural quantity lectric mattert, and form a dense id, in like manner as thunder ds are formed over the land-but n much greater expedition, as the oly of vapours is more sudden. s cloud will then be ready, in a t time, to discharge a shower of a water upon the fea, from whence ofe, and may be attended with nder and lightning, or not, as the in which the cloud was formed, more or less electrical, or the lid extensive.

NOTES.

See theory of lightning, &c. page

The water, carried up in one of de foots, is undoubtedly falt, when it if rifes from the fea, as it afcends it reat quantities, and in a very de column: but it is always fresh win it descends again in a shower: but therefore, in the mean time he gone through a complete naturistillation.

Theory of lightning, &c. page

A previous calm may not be necesfary to the production of these phenomena: and indeed they frequently happen without one: but, upon the fame principle, if it be calmer where they are produced, or the state of the atmosphere there be such as to difpose it to acquire and retain the heat acquired from the fun's rays, more than in the furrounding regions, which, as we have feen above, may be the case, the effects may be the fame in kind, though perhaps not in degree; the most perfect water-spouts probably rifing from whence there has previously been a dead calm, or

nearly, fuch for the foregoing reasons. If there be any wind at the time of the phenomena, the aerial funnel, through which the water afcends, instead of being perpendicular to the horizon, as it would be in a calm, might incline more or less to it, in proportion to the strength or weakness of the prevailing current of air: or, instead of continuing in one fpot, it might have a progressive motion over the surface of the sea, in the direction of the general current; both of which circumstances frequently take place. In either case, it is natural to suppose, that both air and water would afcend spirally, as through the worm of a fcrew, every current, which fets in towards the centre, receiving an oblique bias from the prevailing current.

It fometimes happens, that after the subsiding of a spout, it is succeeded by a second, and that by a third, either in the same place or at no great distance from it. But this also is analogous to what we observe upon the plunging of heavy bodies out of air into water. For, after the first subsiding of the small column of water, which is occasioned by it, and is above resembled to an icicle, the water again rises and subsides as at first, though not in the same degree; as may be concluded from those

fainter concentric circles which expand from the fame centre, after the fubfidence of the first column. The fame thing which here takes place in water, may also take place in air,

under fimilar circumstances.

Since writing the foregoing, while I was endeavouring to contrive fome experiment to illustrate the subject, a very simple one was suggested to my mind, the success of which I think demonstrates the truth of the hypothesis introduced above, to account for the first ascent of the water in the spout; the event being precisely the same as was expected before hand, and as ought to have taken place, upon the principles above advanced.

EXPERIMENT.

In a stiff paper card, I made a hole just big enough to infert a goofe quill, fo as that it might be fixed perpendicularly to the plane of the card: after cutting the quill off fquare at both ends, and fixing it, I laid the card upon the mouth of a wine glass, filled with water, to within one fifth or fixth part of an inch from the lower orifice of the quill: then applying my mouth to the upper part, I drew out the air in the quill by a strong suction; and in one draught of my breath drew in about a spoonful of the water: this by stronger fuctions I was able to repeat again and again, the quill remaining as before. The water, as I expected, did not ascend to the mouth in a stream, as it would have done, had the quill reached below the furface; but broken and confuscdly mixed with the air which ascended with it: as is above fupposed to be the case in the ascent of water in a spout at sea.

In this experiment, the fuction occasioned a vacuum, or at least a great rarefaction of the air, within and directly under the quill: the furrounding air of course flowed in from every

quarter to supply it, rushing up int the quill, and through it to tl mouth: the pressure of the atmo fphere being thereby taken off fro the furface of the water immediate under the orifice, while the preffu upon the furrounding furface remai ed, and was probably increased, t water was forced up, together wi the air as above, notwithstanding t quill had no manner of communic tion with the water. If the fuction be made very strong, and the qu be fixed at the distance of a qui ter of an inch or more from t water, a confiderable agitation a ebullition takes place in the wa under it, fimilar to that observ in most natural water-spouts, a the passage of the water, from furface to the quill, becomes ve vifible.

It was hinted, in the precedi note, that water-spouts at sea, a whirlwinds at land—fome species them at least-arise from the sa cause, how different soever their : parent effects may be. This I thi is made fufficiently evident from observations of a couple of k fpouts at Hatfield, in Yorkshire, mr. Abraham de la Pryme*, wh accounts of them I shall here tra cribe, as the transactions of the ro fociety are in the hands of but few mong us, and the facts related by hi tend strongly to confirm the prese theory, however his conclusions fr them may differ from it.

"On the 15th of August, 16;
"appeared a fpout in the air, at H;
"field, in Yorkshire: it was ab;
"a mile off, coming directly to
"place where I was. I took my p
"fpective glasses to observe it as w
"as I could."

NOTE.

* Abridgment of philosophitransactions, vol. IV. by Jones, p. 106, 107.

"The feafon was very dry, the weather extremely hot, and the air very cloudy; the wind aloft, and pretty strong, and (which is renarkable) blowing out of feveral quarters at the same time, and filling the air hereabouts with mighy thick and black clouds, layer upon layer; the wind thus blowing foon created a great vortex, gyration and whirling among the clouds; the centre of which every now and then dropt down in the shape of a thick, long, black pipe, commonly called a spout; n which I could distinctly view a motion like that of a fcrew, continually drawing upwards, and screwing up (as it were) whatever it touched. In its progress, it moved flowly over a hedge-row and grove of young trees, which it made to bend like hazle wands, in a circular motion; then going forward to a great barn, it twitched off in a minute all the thatch, and filled the whole air therewith. Coming to a very great oak tree, it made it bend like the foregoing trees, and broke off one of the greatest and strongest branches, that would not yield to its fury, and twisting it about, flung it to a very considerable distance off; then coming to the place where I stood, within three hundred yards of me, I beheld this odd phenomenon, and found that it proceeded from nothing but a gyration of the clouds by contrary winds meeting in a point or centre; and where the greatest condensation and gravitation was, falling down into a pipe or great tube (something like the cochlea Archimedis) and that in its working or whirling motion, either fucks up water, or defroys ships, &c. Having travelled about a quarter of a mile farther, it dissolved by the prevalency of the wind that came out of the east." Vol. III. No. IV.

" gether; whereupon they became " very black, and were (most visibly) " hurried round, from whence pro-" ceeded a most audible whirling " noise, like that commonly heard "in a mill. After a while, a long " tube or fpout came down from the " centre of the congregated clouds, " in which was a fwift spiral motion. " like that of a screw, or the cochlea Archimedis, when it is in motion, " by which spiral nature and swift " turning, water ascends up into the " one as well as into the other. It " travelled flowly from west to north-" east, broke down a great oak tree " or two, frighted some out of the " fields, and made others lie down " flat upon their bellies, to fave be-" ing whirled about and killed by " it, as they faw many jackdaws to " be, that were fuddenly caught up, " carried out of fight, and then cast " a great way amongst the corn; at " last it passed over the town of " Hatfield, to the great terror of the " inhabitants, filling the whole air " with the thatch that it plucked off " from fome of the houses; then " touching upon a corner of the " church, it tore up feveral sheets of " lead, and rolled them strangely ".together; foon after which it dil-" folved and vanished without doing " any further mischief. "By all the observations that I

" could make of this, and the for-

" mer, I found that had they been at

" fea, and joined to the furface there-

The account of the other is as

follows, viz. "I have feen another four in the fame place, which

" very much confirms me in my no-

"tion of the origin and nature of

" them .- The 21st of June, 1702,

" was pretty warm; on the afternoon

"of which day, about two of the clock, no wind stirring below;

" though it was fomewhat great in

" the air, the clouds began to be

" mightily agitated and driven to-

" of, they would have carried a " vast quantity of water up into the "clouds, and the tubes would then " have become much more strong" and opaque than they were, and " have continued much longer.

"It is commonly faid, that at fea the water collects and bubbles up a foot or two high under these foots, before that they be joined: but the mistake lies in the pellucidity and fineness of those pipes, which do most certainly touch the furface of the fea before that any considerable motion be made in it, and that, when the pipe begins to fill with water, it then becomes

" opaque and visible."

I shall here make a remark or two upon the above-cited author's mode of expression in the foregoing accounts, which is evidently adapted to a preconceived idea of the cochlea Archimedis, by supposing something fimilar to which, as taking place in our atmosphere, he is not alone in endeavouring to account for these phenomena. In conformity to this idea, he speaks of the spout as drawing upwards, and screwing up whatever it touched; and supposes that by its spiral motion and swift turning, water ascends in it as in the screw of Archimedes. But this hypothefis, however specious, has been long fince exploded as unphilosophical.

Mr. de la? Pryme mentions the appearance of a long black pipe, which now and then dropped down from the centre of the gyrating clouds; in which pipe he diffinctly viewed a motion like that of a fcrew; and as fuch he feems to have fupposed it acted, viz. either in the manner of a cork-screw upon solids, or as the cochlea Archimedis upon sluids, drawing them up into the atmosphere. But as he himselfafterwards, when applying his observations to a spout at sea, very justly concludes

that the pellucidity and fineness these pipes over the water, rend them invisible below, " notwit " flanding (as he conceives) that t " pipes do most certainly touch t " furface of the fea before any con " derable motion be made in it, a " that they are then rendered opag " and visible when they begin to i " with water;" might he not wi equal reason have supposed that the aerial pipes, which he observed or the land, were also continued fro the clouds down to the furface the earth, as from their effects belo one would naturally conclude th were, and that they were pelluc and invisible so long as they contain nothing but air; but that, " eve " now and then," when they n with any substances which mig perchance pass within the compass their gyration, or which they cou easily carry up; such as detact parts of the broken clouds; water fre stagnant ponds, brooks and rive hay, stubble, thatch, dust, &c. th then became opaque and visible, a that they appeared to dart downwar by a kind of optical deception; i upon the foregoing principles, the pipes of air must necessarily broadest above, as we have alrea feen, and terminate in a narrow ste below, the broadest part being, at distance, first visible, and the shan feemingly tapering downwards to point. It is, however, certain, fro the effects of the abovemention spouts, that, whatever the appear ances were aloft, they were all occ fioned by the rushing of the air u wards through a narrow passage, th was contracted below, by the co course and pressure of the oppos currents of that fluid, and dilat above from the diminution of th pressare.

I have referved for this place account of a curious spout whimade its appearance anno 1694, 1

fez, but in the harbour of Topam*, and at low water, which affed with a flow progressive motion ver both land and water; acting as complete water spout over the latr, and as a whirlwind upon the ormer: for when it passed over the annel of the river, it threw up e water in a dense stream, as if it id been impelled through the hofe a fire engine, and the stream a ordingly ended in a thick mist, rembling a dark smoke; the surface the water, round about the spot om whence it rofe, being greatly itated, as is usual in those phenoena. In its course, it met with the ill of a new ship, of about one indred tons, which was much. aken by it, but received no hurt. passing over the flats, it took hold aboat which was fastened to an chor, twirled both boat and anor to fome height in the air, and nt the boat "from the head to the keel." When it reached the shore, lifted up another boat about fix t from the ground, letting it fall ain upfide down; and had a ange effect upon a parcel of planks, me of which were raifed up perndicularly, and flood upon their while it passed along. In further progress, it was attended ith the usual effects of a whirlwind, ch as stripping off, not only thatch, it sheets of lead from the tops of ouses, and tearing off the limbs of This account may tend to infirm the theory here offered, as it oves to a demonstration, that the ater spout therein described, was ocfioned by a previous whirlwind in e atmosphere; which whirlwind as also occasioned by the rushing of large quantity of air upwards, from

NOTE.

* Lowthrop's Abridgm. Phil. ranf. vol. Il. page 104.

all quarters near the furface of the earth, through a very contracted aerial passage, towards the top of the atmosphere. The narrowness of the passage, as determinable from the effects observed in its progress, shews it to have been compressed upon all fides by a general conflux of oppofite currents of air; as the rushing of the air through it with fuch violence from beneath, does, that the density of the fluid, and the compressive force of the currents, were greatest there. The ascending air carried up the water with it through the same passage; not by any mechanical operation upon it, like the action of a screw of any kind; but, merely, by taking off the pressure of the atmosphere from the furface of the water directly under it; whence the water must necesfarily afcend, as in any common hydraulic machine; and that with a force proportional to the pressure of the atmosphere upon the surrounding furface, now greatly increased by the confluence of those currents.

Before I close this subject, I shall just mention, without making any remarks, the effects which a whirlwind had amongst a number of shocks of corn at Warrington, Northamptonshire, August ihe first, 1604: out of which from eighty to a hundred shocks were carried up into the air, a great part of them out of fight. These, when the fury of the blast was spent, fell down again at the distance of some miles from their own field. The account of this whirlwind immediately precedes the article last quoted from the philosophical transactions. Should foregoing theory be adjudged tenable, it will render very credible those strange accounts which we have fometimes had, of its raining tadpoles and frogs, which have been found upon the tops of houses after a shower; and even small sishes, a shower of which fell at Cranstead,

near Wrotham in Kent, anno 1696, on the Wednesday before easter (Lowthorp's abridgment of philofophical transactions, vol. II. page 144.) For should one of those aerial pipes pass over a frog pond, or the shallow parts of a fish pond, the same natural cause, which in a spout at sea, would carry up the water from the ocean, would also carry up the water from the ponds aforefaid, together with the contents; whether tadpoles, frogs or fishes. These must descend again fomewhere; and wherever they fell, a shower of fishes, frogs, or tadpoles, would be the consequence.

A sketch of the climate, water, and soil in South Carolina, by Lionel Chalmers, M.D. of Charleston, South Carolina; written anno 1776.

HE province of South Carolina comprehends that extent of territory, which lies between the 35th and 31st degree 45 minutes of north latitude; stretching along the Atlantic ocean, north east by north, and fouth west by fouth, nearly.

The coast of this country is so low and flat, that it cannot be seen at the distance of more than seven leagues: but, about fifty miles from the shore, the land becomes more unequal, and consists of spacious levels, interspersed with easy risings; which, gradually advancing in height towards the west, terminate in a range of losty mountains, that form, as it were, a chain which runs throughout the continent of North America, at the distance of about three hundred miles from the sea coast.

From the east fide of these mountains, many rivers arise, and run in very winding courses, to discharge themselves into the ocean: and as the waters of all the adjacent lands

fall into them, these rivers are liabl to excessive inundations; swelling fometimes, more than twenty feet i perpendicular height, in the short space of twelve hours; particularl in those places where the channels ar narrow, and the banks fufficiently high to confine the waters. Bu where the land is lower, the water spread themselves many miles beyon their ordinary limits; whereby cattle and all other land animals, that cannot reach the high grounds, are destroy ed; and thus the low lands may con tinue deluged for many weeks These land sloods are owing either to the melting of fnow in the moun tains, or the falling of heavy rain in the interior parts of the country and they fometimes happen, both i the spring and autumn, but most fre quently in the latter feafon: and fome years the rivers do not fwell a all; or this may be in fo fmall: degree, as not to do any damage When fuch inundations happen in the fpring, the planters cannot for their grain; and in the autumn, the produce of their lands is either fwept away by the stream, or so rotted, that little or nothing can be reaped for that year. However, fc prolific are those lands, that if one crop is lost out of three, the planters are fufficiently recompensed, so great is the increase, which is yielded by those places that had thus been repeatedly overflowed, from the vaft depth of fine rich mould, that has been deposited on them in a long course of time; so that their fertility is inexhaustible.

Some gentlemen, who own lands of this fort, have affured me, that they can thrust a reed, twenty seet long, quite down; the whole of which depth consists of a rich mellow earth. In order to prepare such lands for planting, dams or banks of earth are made, to prevent the waters from overslowing them; by which

ans the furface foon becomes dry I fit for cultivation, with whater grain they choose-if it be with e, cross dams also are made oughout the field, fo as to inclose e or more acres within are; and at the bottoms of these iks, hollow trunks of wood are ced, having a valve at each end, which means the spring tides eing fresh water) can either be let or kept out at pleasure, as well as ained on the whole or any part the field when it is admitted, and rice requires it; for this is proly a water plant; at least when a proper age, it thrives best in ter.-Besides, another great aditage arises from this manner of rflowing those fields; which is, t thereby not only most forts of is and weeds are destroyed; but ious infects alfo, which are perious to the young rice, are likele drowned thereby. On the other id, this preventive of the above onveniencies, is often productive another equally mischievous; for h multitudes of craw fishes breed the water, that amazing quantities rice are cut down by them-nor the plants that have thus been cut , ever fend ont new shoots from ir roots: fo that it is not uncomn to see the surface of the water ered with young rice that has been destroyed. It is true, that to pre-e a field, perhaps of several huned acres, by making fo many dams, work of much time and labour; when once it is done, it will lid for many years, requiring only ne repairs now and then; and thus planters cannot fail in having ge crops, barring fuch accidents we have mentioned; the common rease from good land being about hty bushels of rough rice per acre, ich, when beat out and cleaned, l yield two thousand pounds ght, or four barrels fit for market;

besides a considerable quantity of fmall broken rice, which negroes eat.-Notice was taken above, of fpring tides in the fresh water rivers, the reason of which should be explained-these are owing to the greater influx which the fea makes for three days before, and as many after every change and full of the moon; fo that they hold for the fpace of fix days every fortnight. For, at fuch times, the fea flowing in with a stronger current, and rising some feet higher in the rivers so far as the tide flows,-this more rapid influx checks the course of the waters in the rivers, which tend naturally towards the ocean, and caufes them to fwell and overflow the low lands above.

But besides the principal rivers fpoken of above, there are many others of less extent, which arise from low, springy or marshy lands, and, as they branch out far and wide. innumerable navigable creeks are every way formed throughout the country: an eafy water carriage is thereby given from one place to another; a great conveniency this, which no province is more favoured with than South Carolina. All these rivers discharge fuch quantities of muddy water into the sea, that when ships come into foundings, at the distance of fifteen or twenty leagues from the shore, the water, from having been of a transparent azure colour, now appears thick, as containing many earthy particles. One thing worthy of remark is, that all our rivers (and I suppose it to be so every where) have what are called bars, where they difembogue themselves into the fea. So that according to the quantity of water they discharge, and the rapidity with which this is done, these bars lie nearer to or farther from the shore. By bars are meant banks of fand, on which the water is shallower than in other parts—these are

formed by what are called counter-For as the waters in all rivers. are ultimately discharged in the sea, and before they empty themselves into it, their rapidity is greatest on the tide of ebb; and as the waters of rivers always abound with fandy and earthy particles, and a paufe happens between low water and the first of the flood, as well as hetween high-water and the ebb, the groffer parts then have time to fubfide; but as the fea also, by its superior preffure, on its influx of flood, foon overcomes the force with which the waters in rivers tend downwards, and it likewise, by the swiftness of its flowing, brings along with it much fand, broken shells, &c. whatever was before deposited on such places, is likewife added to, this way.

Along the banks of every river. lies much low land, which is mostly covered at high water, so far as the tide flows: and when this away, a nauseous smell exhales from these marshes, owing to the many dead shell fish, &c. that lie rotting promiscuously in the deep slimy ouze, as well as from the latter itself: which, perhaps for many ages, hath continued in a stagnated and undifturbed state. So far as the sea water flows, these banks are covered with a high and strong fedgy fort of grass, of the wild oat kind-and at a greater distance from the sea, where the waters are always fresh, fwampy lands abound, not only with grafs of nearly the fame fort, as well as reeds, but also with a vast variety of other productions, from the lofty cypress down to the most humble plant. Befides thefe wet lands, in the interior parts of the country, are feveral freih water lakes (but of no great extent) and great quantities of low level foil, which, after heavy rain, continue long overflowed, as not having fufficient declivities, by which the waters might run off.

In almost every settlement, m land is defignedly overflowed, flopping the water courses w strong banks of earth; when refervoirs of a good depth and exi are formed, in order to be let i the rice fields, when the plant is a fit growth for receiving the wat for extracting the dye from the pl which yields indigo; or for mills various forts. And, whenever tl collections of water are expended the above purposes, or they are haled by the fun, or fwept away winds, fuch multitudes of fish : reptiles of various kinds perish, th for a long time after, the air is tain with the putrid effluvia that arise well from the numberless bodies animals, which are in the high state of putrefaction, as the muc foil. But these pools are danger to health on another fcore: for th furfaces being but little agitated the gentle winds that common blow in the fummer, and no moti nor fresh air being communicated the waters at bottom, while the 1 daily acts on them with great pow they necessarily must acquire so degree of mephitism. But noxic exhalations will abound still mo when the waters are nearly or qu expended-For then the fun's ra penetrating the miry foil, the vapours that had been pent up for long continuance of time, which therefore, may be supposed to ha contracted vicious qualities, are no fet at liberty, and mix with the we breathe.

The foil of this country is ve various; for within twenty miles the fea, it is generally light as fandy; but far from being infertile. This, however, is to be understood the uplands only; for in many oth places, the mould is as rich and dee as can be found any where. Bu even in the most barren lands, veg tation is fo luxuriant, when the we

er is showery, that a plentiful inease is reaped from them. On the her hand, such moist weather is oductive of innumerable multitudes those reptiles and insects, that retire standing water for their ova to ttch in; some of which are very oublesome to the inhabitants; more pecially at night, unless they be fered from their flings, by furroundg the beds with gauze pavillions. it, the heat of the fun is fo great, nen the feafon is dry, and the rth becomes so parched, that ed which is fown, will grow; and ofe things that were thriving and omifed well before, may at fuch nes be destroyed, or yield but little. In this respect, however, rice ems the most hardy of all plants; r it will recover when the rains fet , even after it has been burnt wn to the ground.

Further back in the country, the slands very generally have a good il; and the fertility of those that e low, is thought to be inexhaustle.—Even the very mountains are wered with a fine verdure of lofty ees, except in some few places, here the summits consist of naked cks; amongst which is lime-stone marble of different colours. But, cept in one river, a stone larger an a pebble is not to be found any here within twenty miles of the a, setting aside those that have een brought hither as ballast for

I doubt not but South Carolina roduces all forts of metals—gold, lver, copper, iron, and lead have ready been discovered. We also ave antimony, allum, tale, blackad, marle, and very fine white clay, hich is fit for making porcelain—likewise have seen emeralds, that rere brought from the country of the Cherokee Indians, which, when ut and polished, fell nothing short of hose which are imported from India

in lustre; and rock-crystal abounds in several places.

When the English first took possession of this country, excepting savannahs (which are plains naturally without trees) and some small openings, that were here and there made by the Indians, the whole was one continued forest; and perhaps, one twentieth part of it is not yet cleared and cultivated,

From the surfaces, therefore, of so many large rivers, and numerous collections of standing waters; such quantities of funk, fenny and marshy lands, and the vast Atlantic Ocean that borders on our coast, it may readily be inferred, that excessive exhalations must be made in this sultry climate: to which should we add the exuberant transpiration from the foil, and the abundant perspiration from vegetables of all forts, which every where cover the ground, the reason will plainly appear, why our climate should be very moist-and that it is so, will be clearly seen from the rain that falls at Charleston. which, at a medium for ten years, was forty-two inches annually, without regarding the moisture that descended in fogs and dews. During the above period, the greatest depth of rain in one year was 54.43, and the least 31.95, inches; the most of twelve honrs being 9.26 inches; and on the 28th day of June 1750, the rain of two hours was 5.30. inches. However, 65.96 inches of rain have been known to fall in one year, before I kept a journal of the weather. I will just observe of dews, that where they are heavy, as with us. they shew an atmosphere replete with moisture. And, indeed, so great are they in common feafons, that those who are abroad at night, are presently fo damped and chilled by them. that a general and irksome lassitude is quickly perceived; and it is well if nothing worse happen. For so penetrating are those dews, that they quickly pass to the skin (no apparel being proof against them) and thus convey the cool damp air to the surface of the body; beside the ill consequences that may thence ensue to the lungs and passages leading to these organs—The same may nearly be said of sogs, which, sometimes, in the winter, obscure the sun, for several days together: whence, if no other bad essets ensue, a torpor both of the mind and body will be induced.

During this dark weather, water may be feen pouring down looking-glasses, and whatever is painted; candles' burn dimly, the flames appearing as if furrounded with small halos; marshy grounds, ditches, sinks and shallow standing waters, emit an offensive smell; and all things are so damped within doors, where no fires are kept, that on entering a house, one is sensible of such a mephitical frouzy smell, as is perceived in the apartments of those who are sweating in severs.

is a proof of great humidity in the air, yet it is no lefs certain, that heavy dews and thick fogs indicate the fame, with rather more affurance—For thefe, more especially the former, never fail at all feasons with us, unless the weather has for a long time been uncommonly hot and dry—and the latter almost as certainly happen in the autumn and winter, when the nights are calm: for supposing the fog not to be general, a thick heavy cloud will then be feen

Though it be true, that much rain

winter, unless in time of frost,

It is almost needless to mention
that these exhalations do not consist
of simple aqueous particles; for
they must partake of the qualities of
the several bodies that emit them.

every morning hovering over the

rivers and all collections of standing

waters, throughout the autumn and

Whence it is not unlikely, that ac cording to their various specific pro perties, or those which may be gene rated from so heterogeneous a com mixture, the purity of our air ma in some singular manner be affected more especially during the fummer when these so very different prir ciples are rendered more active b heat.

As we have no hills nor mour tains near us, to collect or conduc the currents of air, the wind feldor blows with a force exceeding for degrees (supposing the whole of i range to be divided by a scale of feven) except in time of a hurricane which happens but feldom, and at r flated periods-Nor does fuch a outrageous storm arise at all, unle the winds have been small, and the weather very hot and dry, for a con fiderable time before—Hence should seem, that the air at last be comes so rarefied, as to permit the contiguous denfer atmosphere, rush towards ours with great vilence, as into an exhausted receive in order to restore the equilibriur On these occasions, the storm alway proceeds from the north-east; the being the opposite point to tha whence the wind had blown fo lor before—And after having exerted i fury for a longer or shorter time (though its greatest impetuosity se dom exceeds twelve hours, and ha ing as it were overcharged our atme sphere,) it shifts first to east, then the west, and lastly to the north west; by which time the elemen being as it were balanced, the we ther becomes perfectly fettled ar fair, as if no fuch furious storm wind and rain, had raged so immed ately before, and threatened us wi destruction.-But the ravages makes may be but too plainly tr ced, by the many shipwrecks, rui of houses, and the loss of lives it occ cafioned.

Notwithstanding the damages suffined by individual persons on such ccasions, the want of fuch tempests or many years together, is probably great misfortune to us; because the r'does not receive so frequent and orough ventilations, as might be inducive to health, in fuch a cliate as that of South Carolina. ut, till the land be more cleared, ir atmosphere cannot be wholly rewed even by a hurricane. For the 10 which happened in September, the year 1752, were fcarcely perived one hundred miles back in the untry, in a direct line with the ind. Though the first raged for the ace of ten hours, yet the wind, viont as it was, could not penetrate ch an extent of close woods; notithitanding many thousands of trees ere destroyed in the maritime parts. nd as, in very many places, these oods are equally impervious to the n's rays, it may be supposed, that e air is, in some measure, stagnant those close recesses; which, for e present, renders them more proper r the habitations of wild beafts than men. It, therefore, feems plain, at various circumstances concur to tiate the falubrity of our climate every wind, excepting that which mes from the fea, contributing ereto. Of these effects, we might, metimes, be more fenfible, were it ot for an acid, or some other saline inciple, which feems to predomiite in our atmosphere. And that mewhat of this fort does really take ace, may be inferred from the eedy rusting of polished metals, id the remarkable fading of fuch red stuffs, as require acids to fix or ighten their colours. For these ongly attracting this falt from the r, it foon prevails over the virtues the other ingredients. But, wheer this salt be proper to the air it-If, be of vegetable, mineral or mane production, or be a compound Vol. III. No. IV.

of all these blended together, may ever remain a fecret. Indeed, we may suppose, that some portion of the effential falts of vegetables, paffing by perspiration, may contribute towards.it; or that the sea, perhaps, furnishes a part thereof, as our most prevailing winds blow from thence. I would be understood, of the winds in the maritime country only: for in the remote hilly parts, to the westward, from their distance and high fituation, the climate is more pure and temperate, and the winds more changeable in the fummer; and, in the winter, the weather is bleaker; frosts and deep fnows being very common there, when, at the same time, the feafon is mild and open with us.

Our air is liable to as sudden and great changes in its temperature, as can possibly happen in any country. But, happily, the greatest variations generally are from warm and moift, Thefe to cold and clear weather. extraordinary viciffitudes are most frequent in the winter and fpring: though in the autumn, the difference between the heat of the day and night, often exceeds twenty degrees: and the general difference, throughout the year, may be from ten to fifteen degrees, in the space of twenty-four hours, when the weather is fettled. But this must only be understood of the shaded air in the day; between which and the heat fustained by those who are exposed to the direct rays of the fun, the difference will be twenty degrees, and still more in fome fituations.

From this comparatively greater coolness and moisture of the air, at night, it probably is, that when the weather is calm, during the autumn, and even later, the whole country will be covered with a thick fog. For, as the earth retains the heat it received from the fun in the day, longer than the atmosphere does, it

ftill emits vapours; which yet cannot afcend to any confiderable height, because of the colder air above: and as the humidity, which before was diffused aloft, is then made to coalesce and fall lower by its gravity, being thus augmented, they together form those dense clouds, which hang as it were balanced between the cooler medium above, and the warmer one below. But as the heat of the foil abates more, the longer the fun has been abfent, the clouds descend still lower, till they cover the face of the earth in fuch a manner, that, in the morning, the largest objects are intercepted from our view, at the distance of twenty yards, sometimes. But even then, should we look out of a window up two pair of stairs, though the ground below us cannot be feen, the air is perfectly ferene at that height. The furrounding higher prospects then appear so very romantic, that the whole looks like enchantment. For as only the tops of trees and houses can be seen, they feein to grow and stand, as it were, in the middle of a great sea; so the fog appears.

This fcene will continue till these vapours be exhaled by the fun, or distincted by the wind; which commonly happens by ten o'clock in the morning, or earlier: and as they evaporate, it is curious to observe, how one part is detached from another, as it were in large white fleeces, rolling over and over: and being wasted along in small thin clouds, by a gentle breeze, the whole will be dispersed before noon, unless the weather continue quite calm.

That there may be some truth in the above reasoning, with respect to the formation of those fogs, seems probable, from their being rarely seen at any considerable distance from our coast: nor is Charleston so liable to them, as the country at a little distance from it, because this

abundant moisture in the air, is re pelled by the many fires that a burning, the smoke of chimnies, ar the heat that is reflected from th ffreets and houses. But fill the happen too often even with us, no withstanding these preventives which warm and dry our air: fo that it a ways is from ten to fifteen degre hotter in town than in the country where it frequently freezes press hard, whilst at the same time, r figns of ice appear in town. Ar this difference of climate, betwee the two fituations, may likewise l the reason, why the people in the country enjoy better health, durin the warmest weather, than the inh bitants of Charleston do: and from the fame principle, joined to a grea er degree of moisture and coolness i the air, it may be also, that, on the contrary, the people in the counti are more fickly in the autumn, whe the weather is changeable, than w are in town.

Lightning and thunder happen: all seasons, when it rains immediate ly after a shift of wind: but from April to September, we seldom have a shower without both; though the generally are most dreadful in June July and August: and scarcely night passes in summer, but lighter in some part of our horizon.

The short storms, called thunder gusts, are most violent after greaheat, and a particular sustriness in the air, which affects us very sensibly though the thermometer shews no thing of it. When these thunder clouds are forming, it is surprising in how short a time, our atmosphere which was quite serene before, i overcast with a gloomy darkness for the clouds, which are then it view, seem to rush from all direction towards that part, from whence the thunder-shower is to be expected These foreboding appearances are very alarming: for no one knows what

lamage may enfue, or on whom the torm may fall. Nor are these aprehensions unreasonable. For (seting aside the solemn horror attendng fuch an apparatus of black heavy louds, which fuddenly darken the air -thestorm of wind and excessive rain, or perhaps hail, which presently folows, together with the almost ineffant Hashing of lightning olling of thunder, feemingly just ver our heads) feveral persons are very year killed by the lightning; efide the damage that is done to ouses and ships during these sudden usts. At fuch times, the rain does ot always pour down with equal iolence, short paufes intervening; uring which the greatest damage is enerally done by the lightning, such of the electrical fluid descendng filently when the rain is most eavy. When these thunder-showers appen at night, the scene is more wful: for the firmament feems then s in a blaze; the glare of lightning nd stunning noise of thunder, somevhat resembling a bombardment.

Yet not withstanding the accidents vhich may befal fome few people at uch times, it is not to be doubted, hat these reiterated storms are, for he present, of eminent use to manaind in fo hot a climate; where, luring the fummer, the air might ontract some degree of mephitism, vere it not ventilated, and, as it vere, renewed by these temporary igitations; whereby the pernicious apours are either precipitated with he rain, or dispersed by the winds. And as these heavy rains descend rom a colder region, they not only ool and refresh both the air and the arth, whereby we are fenfibly invicorated, but they also greatly pronote vegetation: and fuch standing waters as have contracted fome degree of putrefaction, are also dilued by the fame means, that the extalations they emit, are now less injurious to health. But it cannot be denied, that if the showers be frequent, or they happen as it were daily for any continued length of time, intermitting or remitting fevers will be more common, especially when the weather sets in warm again, even though it were fair after the earth had been thus drenched, and the ditches and fields were filled with water.

The quantity of rain that was faid to fall here, will no doubt appear large to those who live in more temperate climates. Yet by all I could learn, the rains must have been greater as well as more frequent, fifty or fixty years ago: for an old gentleman, who had been provincial fecretary in the year 1735, affured me, that in the space of twenty-four hours, an empty tar-barrel thirty inches deep, which stood on end, was filled to the brim by the rain; nay, that much of the water that fell into it. had run over. But to make allowances for exaggeration, he mentioned a gentleman having won a wager which he made, that it would rain on forty fuccessive days, towards the end of fummer.

I cannot convey a better idea of the heat we feel, in passing along the streets at noon in the summer, than by comparing it to that glow which strikes one, who looks into a pretty warm oven: for it is fo increafed by reflexion, from the houses and fandy streets, as to raise the mercury, fometimes, to the 130th division of the thermometer, when the temperature of the shaded air may not exceed the 94th. Solid bodies, more efpecially metals, abforb fo much heat at fuch times, that one cannot lay his hand on them, even for a short time, without being made very uneafy. Nay, I have feen a beef-steak of the common thickness, so deprived of its juices, when laid on a cannon for the space of twenty minutes, as to be

overdone, according to the usual way

of speaking.

How high the mercury would have rifen in the fun-shine, during the months of June and July, in the year 1752, when the weather was warmer than it ever had been known here, I could not discover, having then no thermometer, whose scale reached above 120 degrees. But as the mercury rose to this height in the space of fifteen minutes, when the glass was exposed to the sun, suspended at the distance of five feet from the ground, it became necessary to remove that instrument immediately, else it would have bursted. experiment was made in an open garden, where many things, being still, green shaded the earth; and confequently the heat was thereby lessened. But, from some trials that were fince made in cooler weather, I have reason to believe, the mercury would have rifen twenty degrees higher at the above feafon, had a proper instrument been at hand to make the experiment with.

During the hot feafon we speaking of, when the shaded air was warmer than the natural heat of our bodies (for the mercury fell fix degrees in a thermometer placed in my armpit) those who were exposed to the open funshine, sustained a degree of heat, greatly furpalling any that ever shewed itself in the most acute disease; or even what is commonly thought to be inconfisent with life, much more health. Yet labourers and tradefmen worked aabroad as usual: and blacksmiths, as well as cooks, did their business within doors; a few accidents happening to those, mostly, who lived in fmall rooms; in particular when their employments obliged them to keep fires in the same apartments; and alfo others, who overheated themfelves by walking or drinking too freely of spiritous liquors, more especially if they lay down to sleet immediately after. Some again we seeized with apoplexies, who happe ed to be hemmed in by a crowd public sales; under which sever circumstances many people died sudenly in town: and the like bet many negroes in the country, will were much exposed abroad.

At this time, I observed that n negro cook often quitted the ki chen, and stood in the open sunshin for a little while fanning himse with his apron. This shewed the though the heat was very great broad, it was yet refreshing to him when compared to that which I sustained in the house, But the difference arose from a stream of frair or small breeze which was the

blowing.

In order to know what degree cheat my servants were exposed to ithe kitchen, I suspended a thermometer to a beam, eight feet from th floor, and sifteen from the fire, the windows and doors being all ope on both sides of the house: so that this was the coolest station in it But even here the mercury shood a the 115th division: and notwith standing this seeming distress, the negroes assured me, they preserve this fort of weather, to the winter cold.

As a register of the weather, perhaps, was never kept during so warm a season, some extracts from mine, relating to this, may not dis-

please the curious.

The preceding fpring having been unufually dry, and not more than 5.41 inches of rain falling in May and June, we had not a shower from the 20th of the latter month, till the 21st of July; the weather in the mean time being excessively hot. The consequence was, that the vapours which shoated in the air, were so elevated by rarefaction, that dews soon failed: the great heat of the

ohts also contributing to their being etained aloft in the atmosphere; fo at by the 13th of July, a general rought prevailed. For the earth as fo parched and dry, that not the aff perspiration appeared on plants, hich shrunk and withered. anding waters were dried up, as ere many wells and fprings: fo at travellers could not find water. ther for themselves or their beasts, ra whole day together: for, the il being light and very transpirable, was foon drained of its moisture. hose who were so happy as to have fmall supply of water in their wells, illingly divided it between themlves and their cattle. But the latr not having a fufficiency to fatisfy eir cravings, were still clamorous or more; which yet could not be id, till the wells were replenished: d for this event, the poor fuffering easts waited so anxiously, that no iving could keep them long from le place. In feveral fettlements, no ater could be found, by digging er fo deep: for which reason, the closures were laid open, and the ittle driven out to shift for themlves. But very many of them crished for want both of pasturage nd water; as probably, did great umbers of those birds, that require rink: for none of them were to e feen amongst us. In short, the istresses of men and beasts at this me, are not to be described.

When the mercury rose to the 7th and 98th dgreee of the therometer in the shade, the atmohere seemed in a glow, as if sires
ere kindled around us: the air
kewise being so thick and smoky
ithal, that the sun appeared as a
all of red-hot metal, and shone
ery faintly. In breathing, the air
It as if it had passed through fire;
or were the nights much less sultry
id distressing to us than the days,
or the weather being generally

calm, and the mercury often up to the 88th division at bed-time, it was not in our power to lie long still, as being obliged to turn almost inceffantly, in order to cool the fide we rested on before. Refreshing sleep, therefore, was a stranger to our eyes; infomuch, that people werein a manner worn down with watching, and the excessive heat together. Nor did this restlessness and frequent toffing prevent our being constantly bathed with sweat; though we lay on thin mattraffes spread upon the floor, and had all the windows in our rooms open. Nay, many people lay abroad on the pavements. A man who had been out on some business, died inflantly on his returning home, complaining only of his being fatigued and drowfy. His body prefently became all over livid; the fubcutaneous veins being greatly distended: and an excessive heat was found every where: which, as well as the venous plethora, continued but with little abatement, fo long as his corpse lay unburied. But so speedy was the putrefaction of this and fome other carcases, that they required to be quickly interred. For in the short space of five hours, the body of a pretty corpulent woman, who died as she was ironing linen, burst the coffin; fo violent was the putrefaction. In order therefore to prevent fuch accidents, as well as to guard against the offensive smell of so rapid a putrescence, it was found necesfary, to wrap dead bodies in sheets that were rung out of tar, and bind them up tightly with cords.

During this feason, a candle was blown out, and set in a chimney at ten o'clock at night, the wick of which continued to burn clearly till next morning; and was likely to do so for many hours longer. Qu. Was this owing to a want of moisture in

the air to extinguish it?

When this violently-hot weather

began to break up about the 21st of July, every shower was accompanied with most dreadful lightning and thunder: by which feveral persons were killed in different places, besides the damages which were done to buildings and vessels. Among other instances of the alarming effects of lightning this year, the diffress of one poor family may be related. The father and one of his fons being ploughing with four horses, they, together with the heafts, were all ftruck dead by one flash. The most dreadful and dangerous showers of this fort happen, when the clouds are collected as it were over our heads, without a brifk wind blowing at the fame time, to carry them quickly from us. On fuch occasions, I have known it to lighten and thunder violently and with but little intermission, for eight or ten hours together: the clouds being all this while fo low, that in one afternoon, the lightning fell on fixteen different objects in town; among which were nine dwellinghouses, one church, a meeting-house, and five veffels which were difmasted in part, besides receiving damage in their hulls. Yet, though the lightning struck so many places at this time, only two perfons were killed by it.

The fudden death and excessive putrefaction of a dog, which was thut up in a fugar-baker's stove. where the mercury rose to the 146th degree, led dr. Boerhaave into some mistakes, with respect to the effects of heat on living animals: which almost every year are contradicted by experience in this climate. And certainly, no one circumstance that occurred in his experiments, can properly be applied to the effects of warm air, so it be but free, and is not too far deprived of its density and elastic pressure, as it must have been in that hot close place. creatures, therefore, which were the fubjects of those experiments, a not die of heat alone, but rather the rarity of the air, and the meptical qualities it contracted in a flove, for want of ventilation. I we are affured, that, on several ochions, a fill greater degree of his suffained by mankind, and for longer time together, without a immediate danger to life.

During the fummer of 1752, 1 mercury often role above the oc degree of the thermometer through out the months of May, June, Ja and August: and for twenty succ five days, excepting three, in Ju and July, the temperature of t shaded air varied between the 90 and 101st division: and sometin it must have been 30 degrees warn in the open funshine; to which gre numbers of people were daily expofor many hours together, as alrea hath been faid. I have also me tioned, that in the coolest part of i kitchen, the mercury stood at t rigth degree for feveral hours tos ther. Besides, those whose busine required them to be near the fit sustained a much greater heat wit out any accident or disease enl ing from it in my family, as well as in most others. Neither was ev a more healthy feafon known the this, fo long as the weather continu steadily warm and fair. True i deed it is, that those who happene to ficken during these intensely.h months, might almost literally faid to have escaped through the fir when they recovered; which few i truth did, who were feized wit fevers: and all those died, on who dropfies had made any confiderab progress.

All creatures from equally affects with man by fuch intenfely-hot wer ther; for horses sweat profusely i the stable, and slag presently whe ridden. Dogs seek the shade, an lie panting, with their tongs sollin , as if they had long pursued the ce. Poultry droop the wing, and athe with open throats; in the mer cocks do when much heated fighting. Crows and other wild vis do the same; and are so unling to move, that they will sufaman to come nearer them than other times, before they fly.

Few days pass throughout the r in which we do not see the sun: I the weather, for the most part, o moderate in the winter, that dles burn fleadily in the open balies, on nights of public rejoicings. eldom freezes more than four or times in the above feafon: but n a thaw fo foon fucceeds, that, he space of ten years, the ice may be itrong enough to bear a man. s as unufual to fee the ground ered with fnow: and when this pens, it feldom lies twenty-four irs, except in fome few places, ich the fun's rays cannot reach, wever, we fometimes have hail h fummer showers: and hoar-frosts frequent in the winter, as halos at all feafons: but the aurora ealis is rarely feen : and when it lears, this is only for a glimpfe, I no more.

As to whirlwinds, or typhons, y happen but feldom near the feaoff, but oftener in the hilly counted the hind us, as I have been inmed: and wherever they pass, ir route may be plainly traced; for fometimes every thing is demoed that stands in their way, trees, the and birds being hurled along their vortices.

About ten o'clock in the morning the 4th of May 1764, a dreadful irlwind was faid to be observed the Indian country, above three Indred miles to the westward of farleston; which, between one and in the afternoon of the same (', was seen approaching us very in a direct line, and not three

miles from the town. But when it had advanced to the distance of about half a mile from us, it was providentially opposed by another whirlwind, which came from the northeast; and crossing the point of land on which Charleston stands, the shock of their junction was so great as to alter the direction of the former fomewhat more towards the fouthwhereby great part of this place was preserved from inevitable destruction. It then passed down Ashlev river with fuch rapidity and violence that in a few minutes it reached Rebellion Road, where a large fleet of loaded veffels, with one of his majesty's ships, their convoy, lay, about four or five miles below the town, reads to fail for England; three of which were overfet and funk fo fuddenly, that fome people, who happened to be in one of their cabbins, had not time to come on the deck; and many of the other ships, which luckily did not lie fo immediately exposed to the greatest fury of the tempest, would have shared the fame fate, had not their masts given way; for all those it passed over, were laid down on their fides; and the mizenmalt of the king's ship was carried. off close to the quarter deck, as: fmoothly as if it had been cut with a faw.

As people fat at dinner that days. they were alarmed with an unufual fort of stunning noise, as of the ruffling of many drums, intermixed with. fuch a roaring, thundering, churning. or dashing found, as the sea makes, in breaking on a hollow rocky thore, during a violent storm; when, on. running out of doors, the tremendous cloud was feen advancing at a great rate; with a quick circular motion, its contents feeming in a violent agitation, from the great tumult that appeared, not only in the. body of the column itself, but likewife from the contiguous clouds

which drove rapidly towards it from all directions, as if the whole contents of the atmosphere flowed thither, and were instantly absorbed by it. Hence it was, that this meteor every moment appeared fo differently; some parts of it being black and dark at times; others of a flame colour; and again as if vast waves of the fea had rifen into the air. But fuch was the perturbation in the cloud, that these phenomena varied continually; all parts of it rolling over each other in the most confused and rapid manner: and, every now and then, large branches of trees might be seen hurled about in it. Its diameter was thought to be about three hundred yards, and the height thirty degrees; a thick vapour emitted from it rifing much higher. In passing along, it carried the waters of the rivers before it, in the form of a mountainous wave; so that the bottom was feen in many places. Such floods of water fell on those parts, over which it passed, as if a whole sea had been discharged on them at once; and for a mile or two on each fide of it, abundance of rain fell. As the wind ceased prefently after the whirlwind passed, the branches and leaves of various forts of trees, which had been carried into the air, continued to fall for half an hour; and in their defcent, appeared like flocks of birds of different fizes. A gentleman, over whose plantation the skirt of this storm passed, not more than two miles from Charleston, assured me, that had a thousand negroes been employed for a whole day in cutting down his trees, they could not have made fuch a watte of them, as this whirlwind did in less than half a minute. Such trees as were young and pliant, flooped to its violence, and afterwards recovered themselves. But all those, which were more inflexible and firmly rooted, we broken off, and hurled away: that no part of many of the could afterwards be found; among which were fome live oaks of near two feet diameter, the wood which is known to be almost ponderous and hard as lignum tax; fo that fome of these transfer have weighed, perhaps, me than two tons. Yet heavy as the were, no remains of them could terwards be found any where, excethe roots, which were fixed in 1 earth.

On the forenoon of the above de the wind blew pretty strongly fre the west: the atmosphere being mu obscured and greatly disturbed we small broken clouds slying swif along: so that it had the appearan of the ocean when agitated by

tempest.

The lowest station of the therm meter for ten years was 18, and t highest 101, the difference betwee which, being 83 degrees, may be teemedtheutmost variation in the ter perature of the shaded air for the bove space of time. This indeed see greater than might be expected in foutherly a latitude: though for years before, the mercury fell to t tenth division or 22 degrees belc freezing. I always made three o fervations daily; the first before su rife, the fecond at two P. M. and t last, at ten o'clock at night; besid noting whatever remarkable differen happened in the state of the air b tween whiles. Now if the fum all the stations of the mercury the thermometer be taken togeth for the year or any number of year and divided by he number of ol fervations that were made, the pre duce will be 66 degrees, for the at nual mean heat of our climate This exceeds 48, which is nearly th medium of the heat in Great Britain

more than that does the freezing

point. *

The difference in the range of the barometer, for the space of fifteen years, was not more than 1.22 inches: fo that if this instrument measure the weight of the atino-Sphere, that did not vary more than 1 th part, in the above time. Very warm air, or the flame of a candle, held near the tube, will cause the mercury to rife in the barometer: and east or notrherly winds do the fame; but it subsides with a fouth or west wind, more especially if the weather be overcast and moist. lay nothing here of the mistake of philosophers, in believing that this instrument measures the real weight of the atmosphere; for to me it feems only to indicate its greater or less springiness and elasticity. Of this many proofs might be given; but they do not belong to this place.

I have mentioned fome of the inconveniencies to which our climate exposes us at times: and where is the country which is not liable to equal if not greater disadvantages, without affording the inhabitants fuch accomodations as that of South Carolina does? In summer, indeed, we have about four months of warm weather; which yet with prudent

NOTE.

"I observe, that those who keep registers of the weather in Britain, commonly make their first observation at eight o'clock in the morning, when, at some seasons, the sun has been several hours above the horizon, and consequently the air is by many degrees warmer than before that planet appears. But this, in my opinion, is not the way to discover the real temperature of any climate, which requires that even the lowest as well as the highest stations of the thermoscope should be noticed.

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care, may be passed over tolerably well. Befides, the heat is not equally excessive every year: and the mildness of the climate, during the other eight months, makes up for whatever uneafiness we fuffer in the summer. But, be the heat more or less, it must be got over as well as we can; for without a warm feafon, neither rice, tobacco, indigo, nor fome other valuable productions could be raifed. Moreover, this fort of temperature is fo adapted to vegetation, that South Carolina produces several commodities which are very advantageous to the commerce of Great Britain and America, and extremely profitable to the people here, fome of which will no grow in any province to the northward of us; and I am confident others will be discovered by time: vines and olive trees thriving luxuriantly here.

Besides, many waletndinarians, are free of some disorders in the summer, which are not only painful but dangerous during the winter, as will hereaster be seen: and in particular the aged enjoy better health, and are able to quit their chambers during the

former season.

Befide the feveral arricles already mentioned, both the air and foil differ fo much in the inland parts, from ours near the fea, that every thing, which the temperate climates in Europe yield, may be raifed in great abundance there; as all forts of European fruits, and wheat, hemp, and flax, which all grow extremely well there; of the latter in particular two crops are produced in one year. But the fugar cane, ginger, and other natives of the countries within .. the tropics, though they thrive well with us during the fummer, are destroved in the winter.

We have hitherto been speaking of vegetables only: but should we mention cattle of all kinds, as well as swine, they multiply here in a sur-

prifing degree. For as the thickets are warm and close, a constant verdure is found there in the winter, even though the weather should be frosty; for then the young canes or reeds, and feveral other plants, being green and full of juices, there is no need of houses to shelter, nor of provender to support the cattle during the coldest season; for they lie warm abroad, and brouse on fomewhat or other. Any person, therefore, who inclines to raise black cattle, hogs, or horses, marks out a few hundred acres of land in fome unfettled part of the country, where he finds a good range; and drives thither as many cows, bulls, hogs, stallions and mares as he pleases, where they increase without any more trouble, than to have a few negroes to plant provisions, in order to keep the hogs together, and use them . to the fettlement, by giving them a little maize now and then; for the woods yield a sufficiency of nuts and roots to maintain them. As to the black cattle and horses, they are driven up once every year, in order to mark and brand the increase. After which they are again suffered to feed at large, perhaps to the distance of twenty miles, unless it be required to collect fome of them for fale, when they are wanted. In this manner, fome perfons who have flocked fuch farms with fifty or more black cattle, &c. have in fifteen or twenty years marked three or four thousand calves yearly, and hogs without number, besides horses. These creatures, however, are not without enemies, whilst they are young and unable to defend themselves; for wolves, bears, leopards, panthers and wild cats of a large fize, prey on them: and fome are also destroyed by the bites of fnakes: 1

We, moreover, abound with all forts of provisions, which are good in their kinds, and fold at a fuffici-

ently cheap rate. Every industri man may find employment and ceive high wages for his labour that with economy, he has a spect of acquiring a tolerable for in the space of fixteen or two years: as very many Dutch pe have done, after being cleared of fervitude which they confented undergo, for the payment of t passages hither. Nay, many of t have managed their affairs fo v that they now possess several v built houses in town, or have pla tions and flaves in the country. master bricklaver, and a shir house-carpenter, if he work by day, will charge feven shillings t ling; and a journeyman to ei of these trades, will, for his wa have five pounds iterling by month: the half of which need be spent, if he be careful and go cheapeil way to work, though he i live very well at the fame ti But then they must abstain fi taverns and gaming houses, wh being numerous in this place, but too much frequented by ma to the neglect of their business ruin of their families.

As an observation that conce natural philosophy, I will just m tion, that bugs, musketoes and se other infects, are benumbed by co and cease to be troublesome, w the mercury falls below the 60th vision of the thermometer. perhaps, shews the reason, why the creatures cannot be generated in gr numbers, in any climate where mean heat does not exceed the abi degree. Bugs, however, will appea 1 cities that are closely built, as for places are known to be much warr than those, that are more open the air. Besides, when great nu hers of houses are crouded togeth and these are fully inhabited, heat of the air must thereby be mu increased, as well as by the smoke

by chimnies. Moreover, the heat be buildings absorb from the will again not only be commuated to each other by reflexion, likewise to he air itself, which, ong several others, is one reason, vicities are generally more sickly villages, unless the latter stand

ow and damp fituations. harleston, the metropolis of ith Carolina, stands in the latitude 12 degrees 45 minutes north, and he 79th degree of longitude, or hours and fixteen minutes west n London, at the distance of at twelve hundred leagues, on a S. W. courfe. The town is built anarrow peninfula which is formed the conflux of Ashly and Cooper ers, which are broad and deep, I discharge their waters into the an, about fix miles below this ce. In these rivers is a rapid od and ebb, which in the middle the stream, runs at the rate of ween three and four miles in an ur; and the tide, in common, es and falls about five feet, but at w and full moon seven feet. As gulph of Florida runs with a fwift rrent towards the N. E. at the lance of about fifteen or twenty igues from our shore, it will be fily understood, why a strong . E. wind should always make a gh tide in our rivers: as, by rectly opposing that stream, it is ade to recoil on our coast, and us causes the rivers to swell. Conquently, during the first hurricane high happened on the 15th of Sepmber 1752, the tide was faid to le fix feet in perpendicular height, the short space of ten minutes: that had the fea continued to ow in this manner one hour longer, harleston must inevitably have en destroyed. But though the ornary time of flood was not then If spent, providence most mercilly interposed, by causing the

winds to shift to the fouth, and west, when the waters were carried off, rather more quickly than they rose before. For the storm still continuing, after these latter winds set in, and blowing directly in the same course with the gulph of Florida, fo speedily were the waters made to recede, that feveral people who were obliged to quit the lower floors of their houses, (so high was the tide in them) and retire to the upper rooms, were in a few minutes most agreeably surprised to see it entirely gone off: whereas but just before they had expected immediate death.

Three fides of this town are washed by the above rivers; the ground between them being so low and level, that it is not seven feet, nor is the country for twenty miles round, ten feet higher at a medium, than the furface of full fea is at spring tides, This is both a healthy and an agreeable fituation in fuch a climate; for we stand as it were in a large plain, having the sea open to us on one fide, and the rivers afford fo easy an opportunity to free ourselves of nuifances, as would be thankfully embraced by many communities, who regarded decency, or, which is of greater consequence, health. I am forry to fay it, we do not avail ourselves of this admirable conveniency, fo much as we ought to do.

The freets are from fixty-fix to thirty-three feet wide, running from east to west: and these again are intersected by others at right angles, having drains under them, to prevent the water from standing long any where during wet seasons; the good effects of which, with respect to health, are already sensibly felt. But not being paved, except for a few feet along the fronts of the houses, the streets are dirty during rainy weather, and dusty when it is dry. It must, indeed, be consessed.

that the plan of this town was originally bad, confidering that the heat of the climate made wide and airy ffreets necessary; more especially when there was no need for limiting them to fuch feanty breadths; as in those days there was a sufficiency of ground, which was no man's property, and therefore it might have been disposed of in a manner more fuited to the welfare of the future inhabitants. And which is ftill worse, there are many narrow lanes and alleys; and more are daily laying out, with the view of increasing the value of land. But the legislature fhould prevent such nuisances; for those confined fituations may hereafter prove a nursery for discases, not of the most tractable kind, when the town becomes large, and is more closely built; in which respects it is amazing to fee the vast progress that is making by the great number of houses which are daily raising.

At the distance of fix miles, the fea is open to us from the east to the fouth-east. Georgia and the two Floridas lie to the fouth-west and west. To the westward is the main continent of North America, the breadth of which is not rightly afcertained. North-west and north is a prodigious tract of country, in which are several vast lakes or inland seas, which, together with the adjacent territories, are frozen half the year: and not many degrees north of these, both the fea and land are almost always bound up with ice: and 'to the north-east lie the English pro-

From this view of our fituation, it will appear, that as a fouth wind blows from the warmer latitudes, and sweeps over a great extent of sea, it must always be hot and most. That which comes from the southwest and west, must befultry and most in the summer, as it passes over large spaces of heated, marshy, overshowed

or wood-lands: and in the winter i will bring damps or rain, being fraught with the exhalations that are made from the above foils, as well as with those vapours which are collect. ed and condenfed by the high bleak mountains which lie behind us. Or the contrary the winds which blow from the north-west and north, will be cool and refreshing in the summer, but chilling during the winter: and, at all feafons, they difpel clouds and fogs by their pure elattic preffure; fo that whenever the weather becomes rainy or overcast, it may be expected to continue fo, until the wind shift to one of the above points. We feldom have a clear sky with a north-cast wind: more especially towards the autumnal equinox, when it generally blows brifkly, and is attended with heavy rain. Lastly, that wind which commonly fprings up from the fouth-east about ten o'clock before noon, in the fummer months, is called, by way of eminence, the sea breeze. This at first fets in very gently, causing only a little ruffle on the water now and then: but by degrees it increases in ftrength, and fans brifkly till fix or feven in the evening, when it gradually abates, and ceases before night. About eight or nine o'clock, a small westerly wind arises, and continues till the fame hour next morning, when it likewise fails: and after a paufe of one or two hours, the feabreeze fets in again: fo that thefe alternately fucceed each other in the fummer, when the feafon is regular, and prove wonderfully refreshing to us.

As the land near Charleston is not fusiciently high to give rise to many springs, we, for the most part, use well-water which is always more or less brackish: and it will be quite falt, if these wells be sunk more than eleven or twelve seet; their bottoms being then on an equality

ith the furface of the low tide: or will the water rife more than our or five feet in them; as at at depth it will be on a level with e rivers at full fea. Hence it ems, that these wells are supplied ith water from the rivers by filtraon through the fand. Fifty-five bical inches of the water we comonly drink, weighed fix grains ore than an equal bulk of rain: d when the fame weight of fea falt as added to the latter, it precipitata folution of filver; became of a ilky colour, with oil of tartar per liquium; and tafted as the well-These are proofs, that our iter contains a confiderable portion common falt: and accordingly, induces a nausea or griping and rging in those who are not accusned to it. In the country, hower, excellent springs abound: and ther than the tide flows, the river iter is foft and wholesome; but ing fomewhat muddy, it ought be permitted to fettle, before it used.

As to the way of living in arleston, it is much after the glish manner. But either weak I pretty four punch, or rum well uted with water, and without acid fugar, is used by many for drink, ough wine and other liquors are ewise brought to table. Tea and cfee are fo cheap, that one or both used once, if not twice in the , by people of all ranks. But the custom cannot fail in having ill c sequences, in some constitutions, pticularly during the relaxing heat the fummer: and perhaps the tea ill may puffels some qualities that a not friendly to the human constit on; at least it is injurious to For want of daily r 1y people. n kets in the country, more falted fmoked meats are confumed the people there than in town: tl, also abound with poultry of all

kinds: much milk is used in various ways: more fruit is eaten in the featon; and less wine is commonly drank, though in general they are far from being sparing in the use of rum. Some of these remarks, however, are to be understood with restriction: for no people in middling life, supply their tables better than gentlemen in the country do: and none entertain strangers or friends with more hospitality. Either the Indian corn, called maize, ground fmall, or rice boiled with water to a thick confiftence, being preferred to bread by many of those who live in the country, they are brought to table almost at every meal. This, as I faid above, is out of choice: for we have plenty of wheat-flour.

It has already been faid, that Charleston increases fast in buildings and people: but at present there are not quite twelve hundred dwelling-houses, with nearly as many kitchens which are built feparate; besides a great number of ware-houses, all which being viewed together, give the place the appearance of a large and well-built town. The modern houses are large, airy, and convenient, being from two and a half to three and a half stories high, and of fuitable dimensions. And the banks of Cooper river being as vet mostly built upon, and the houses lofty and contiguous, they are feen to great advantage, by those who approach the place from the fea, after a long voyage, as being fully in view for the space of eight or nine miles, before they come to an anchor in the harbour.

The white inhabitants of this town, may be about five thousand five hundred: but the mortality among them, cannot be exactly determined at present, no register thereof having been kept for several years. Formerly, when bills of mortality were annually printed, the inhabi-

tants then being not quite four thousand, it appeared that one in thirty feven died yearly, or about one out of each family in the space of feven years and a half, supposing ail the deceased to have belonged to the place. But these lists were fwelled by the deaths of transient persons. It ought, however, to be observed, that, during the time those bills were published, no contagious or malignant diffempers prevailed amongst us. And it must also be acknowledged, that we are rather more healthy fince the hurricanes of the year 1752; children in particular, having escaped better fince; for, before that time, almost half the number of deaths, happened amongst those who were under five years of age. There are many more negroes than white people in this town and province; and those of African descent, are as susceptible of ail fort of diseases, as those of the other colour, if we except the yellow or malignant fever and gout. Befides, they are liable to particular complaints which feem peculiar to negroes only. However, even blacks, who live in all respects as we commonly do, are equally obnoxious to the gout with white men.

Births cannot be afcertained from the christenings: for children are not always baptized the fame year in which they are born. But it is certain, they far exceed the deaths of

the fettled inhabitants.

The natives, for the most part, rise above the mideling stature: and they attain their full height sooner, than the people usually do in colder climates. In general, they are of a stender make, have pale complexions, thin, fair, or brown hair, which afterwards changes to a chesnut or black colour: but it seldom curls. They are forward in genius, and thought capable of receiving instruction earlier, than children in

Britain commonly are. With spect to their character, they are eccedingly hospitable, and of a m temper, which yet is not without quick sensibility of any design affront; but their passions soon suffice. Few live fixty years; and the bald or hoary and wrinkled appeances of old age, often shew the selves at the age of thirty years—even earlier, more especially on the who dwell in the country.

The women are in full bloo hetween their fixteenth and twent fifth year: and they are very genera well featured and genteel in pe fon. The menses commonly beg to slow between the twelfth a fourteenth year; and that dischar ceases at different periods, betwee the thirtieth and siftieth year of the ages, according as constitutions va

Speech of Oliver Elfworth, esq.
the convention of the state of Conecticut, appointed to take into conderation the new plan of federal wernment. Delivered, January 1788, on opening the debates.

Mr. President,

T is observable, that there is preface to the proposed constitu on: but it evidently presupposes to things; one is, the necessity of federal government, the other is t inefficacy of the old articles of co federation. A union is necessary f the purposes of national defenc United, we are strong; divided, v are weak. It is easy for hostile n tions to sweep off a number of t parate states, one after anothe Witness the states in the neighbou hood of ancient Rome. They we fuccessively subdued by that ambitio city; which they might have co quered with the utmost ease, if they h been united. Witness the Cauaa

tish nations whose divided situation rendered them an easy prey. Witness England, which, when divided into separate states, was twice conquered by an inferior force. Thus it always happens to small states, and to great ones, if divided. Or, if to avoid this, they connect themselves with some powerful state, their situation is not much better. This shews us the necessity of combining our whole force, and, as to national purposes, becoming one state.

A union, fir, is likewife necessary, considered with relation to economy. Small states have enemies, as well as great ones. They must provide for their desence. The expense of it, which would be moderate for a large kingdom, would be intolerable to a petty state. The Dutch are wealthy; but they are one of the smallest of the European nations; and their taxes are higher than in any other country of Europe. Their taxes amount to forty shillings per head, when those of England do not exceed half that sum.

We must unite, in order to preferve peace among ourselves. If we be divided, what is to prevent wars from breaking out among the states? States, as well as individuals, are subject to ambition, to avarice, to those jarring passions which disturb the peace of society. What is to check these? If there be a parental hand over the whole, this, and nothing else, can restrain the unruly conduct of the members.

Union is necessary to preferve commutative justice between the states. If divided, what is to prevent the large states from oppressing the small? What is to defend us from the ambition and rapacity of New-York, when she has spread over that vast territory which she claims, and holds? Do we not already see in her the feeds of an over-

bearing ambition? On our other fide, there is a large and powerful state. Have we not already begun to be tributaries? If we do not improve the present critical time—if we do not unite, shall we not be like Islachar of old, a strong as crouching down between two burdens? New-Jersey and Delaware have seen this, and have adopted the constitution unanimously.

A more energetic system is necesfary. The present is merely advifory. It has no coercive power. Without this, government is ineffectual, or rather is no government at all. But it is faid: "Such a power is not necessary. States will not do wrong. They need only to be told their duty, and they will do it." I ask, sir, what warrant is there for this affertion? Do not states do wrong? Whence come wars? One of two hostile nations must be in the wrong. But it is faid: "Among " fifter states, this can never be pre-" fumed." But do not we know, that when friends become enemies, their enmity is the most virulent? The seventeen provinces of the Netherlands were once confederated: they fought under the same banner. Antwerp, hard pressed by Philip, applied to the other states for relief. Holland, a rival in trade, opposed, and prevented the needy fuccours. Antwerp was made a facrifice. I wish I could fav there were no feeds of fimilar injustice springing up among us. Is there not in one of our states injustice too barefaced for eastern despotism? That state is small: it does little hurt to any but itself. But it has a spirit, which would make a tophet of the universe. But some will fay: "We formerly did well with-" out any union." I answer: our fituation is materially changed. While Great-Britain held her authority, she awed us. She appointed governors and councils for the American provinces. She had a negative upon our laws. But now, our circumilances are fo altered, that there is no arguing what we shall be, from what we have been.

It is faid that other confederacies have not had the principle of coercion. Is this fo? let us attend to those confederacies which have resembled our own. Some time before Alexander, the Grecian states confederated together. The amphictionic council, confishing of deputies from these states, met at Delphos; and had authority to regulate the general interests of Greece. This council did enforce its decrees by coercion. The Bootians once infringed upon a decree of the amphictions. A heavy mulct was laid upon them. They refused to pay it. Upon that their whole territory was conficated. They were then glad to compound the matter. Alexander the Achæan league was formed. The decrees of this consederacy were enforced by dint of arms. The Ætolian league was formed by some other Grecian cities in opposition to the Achæan; and there was no peace between them, until they were conquered and reduced to a Roman province. They were then obliged to fit down in peace under the same yoke of despotisin.

How is it with respect to the principle of coercion in the Germanic body? in Germany there are about three hundred principalities and republics. Deputies from these meet annually in the general diet, to make regulations for the empire. But the execution of these is not left voluntarily with the members. The empire is divided into ten circles; over each of which a superintendant is appointed, with the rank of a major ge neral. It is his duty to execute the decrees of the empire with a miltary

The confederation of the Swifs

cantons has been confidered as example. But their circumstance are far different from ours. are fmall republics, about twenty mifquare, fituated among the Alps, a inaccessible to hostile attacks. Th have nothing to tempt an invafic Till lately, they had neither con merce nor manufactures. were merely a fet of herdfine Their inaccessibleness has avail them. Four hundred of those mou taineers defeated 15,000 Austria who were marching to fubdue the They fpend the ardour of youth foreign fervice; they return o and disposed for tranquility. F tween fome of the cantons France, there has long subfifted a fensive treaty. By this treaty, Fran is to be a mediator to fettle different between the cantons. If any c be obstinate, France is to compe. After the death of fubmission to reasonable terms.

The Dutch republic is an exam that merits attention. The form their constitution, as it is on pap admits not of coercion. But necess has introduced it in practice. T coercive power is the influence of 1 ftadtholder-an officer originally t known to their constitution. I they have been necessitated to appohim, in order to fet their unwield machine of government in motic He is commander in chief of th navy, and of their army, confisti of forty or fifty regiments. He : points the officers of the land a naval forces. He presides in the sta general, and in the states of eve province, and by means of this, has a great opportunity to influer the elections and decisions. The pr vince of Holland has ever be opposed to the appointment of stadtholder; because, by its wear and power, being equal to all 1, other provinces, it possesses 13 weight and influence of the flacholder, when that office is vaca

Without fuch an influence, their machine of government would no more move, than a fhip without wind, or a

clock without weights.

But to come nearer home, mr. Prefident, have we not feen and felt the necessity of such a coercive power? What was the consequence of the want of it during the late war, particularly towards the close? A few states bore the burden of the war. While we, and one or two more of the states were paying eighty or a hundred dollars per man to recruit the continental army, the regiments of fome states had scarcely men enough to wait on their officers. Since the close of the war, some of the states have done nothing towards complying with the requistions of congress; others, who did something at first, seeing that they were left to bear the whole burden, have become equally remiss. What is the confequence? To what thifts have we been driven? To the wretched expedient of negociating new loans in Europe, to pay the interest of the foreign deht. And what is still worse, we have even been obliged to apply the new loans to the support of our own civil government at home.

Another ill confequence of this want of energy, is, that treaties are not performed. The treaty of peace with Great Britain was a very favourable one for us. But it did not happen periectly to please some of the states: and they would not comply with it. The confequence is, Britain charges us with the breach, and refuses to deliver up the forts on our

northern quarter.

Our being tributeries to our fifter states is in consequence of the want of a sederal system. The state of New-York raises 60 or 80.000l. a year by impost. Connecticut consumes about one third of the goods upon which this impost is laid; and consequently pays one third

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of this furn to New-York. If we import by the medium of Massachufetts, she has an impost, and to her we pay a tribute. If this is done, when we have the shadow of a national government, what shall we not suffer, when even that shadow is gene?

If we go on as we have done, what is to become of the foreign debt? Will fovereign natious forgive us this debt, because we neglect to pay? or will they levy it by reprifals as the laws of nations authorife them? Will our weakness induce Spain to relinquish the exclusive navigation of the Mittiffippi, or the territory which she claims on the east fide of that river? Will our weakness induce the British to give up the northern posts? If a war breaks out, and our fituation invites our enemies to make war, how are we to defend ourselves? Has government the means to enlift a man or buy an ox? or shall we rally the remainder of our old army? The European nations. I believe to be not friendly to us. They were pleafed to fee us disconnessed from Great-Britain; they are pleased to see us difunited among ourfelves. If we continue fo, how easy is it for them to canton us out among them, as they did the kingdom of Poland! But supposing this is not done, if we fuffer the union to expire, the least that may be expected, is, that the European powers will form alliances, Yome with one state and some with another, and play the states off one against another, and that we shall be involved in all the labyrinths of European politics. But I do not wish to continue the painful recital; enough has been faid to fhew, that a power in the general government to enforce the decrees of the union, is abfolutely necessary.

The conflitution before us is a complete fythem of legislative, judicial, and executive power. It was defigned to supply the defects of the

former fystem; and I believe, upon a full discussion, it will be found calculated to answer the purposes for which it was designed.

Another speech of the same gentleman, on the clause in the new constitution. respecting the power of congress to lay taxes, &c .- Delivered January 7, 1788.

Mr. Prefident, HI3 is a most important clause in the constitution; and the gentlemen do well to offer all the objections which they have against it. Through the whole of this debate, I have attended to the objections which have been made against this clause; and I think them all to be unfounded. The clause is general; it gives the general legislature "power to lay and collect taxes, duties, imposts, and excises, to pay the debts, and provide for the common defence and general welfare of the united states." There are three objections against this clause. First, that it is too extensive, as it extends to all the objects of taxation. condly, that it is partial. Thirdly, that congress ought not to have power to lay taxes at all.

The first objection is, that this clause extends to all the objects of taxation. But, though it does extend to all, it does not extend to them exclusively. It does not fay that congress shall have all these sources of revenue, and the states none. All, excepting the impost, still lie open to the states. This state owes a debt; it must provide for the payment of it. So do all the other states. This will not escape the attention of congress. When making calculations to raife a revenue, they will bear this in mind. They will not take away that which is necessary for he

states. They are the head, and wi take care that the members do no perish. The state debt, which not lies heavy upon us, arose from th want of powers in the federal fysten Give the necessary powers to th national government, and the flat will not be again necessitated to in volve itself in debt for its defence i It will lie upon the nation: government to defend all the states to defend all its members, from hot tile attacks. The united states wi bear the whole burden of war. It necessary, that the power of the gr neral legislature should extend to a the objects of taxation, that govern ment should be able to command a the resources of the country; becau no man can tell what our exigencie may be. Wars have now becom rather wars of the purse, than of th fword. Government must therefor be able to command the whole pow er of the purse, otherwise a hostil nation may look into our constitu tion, fee what resources are in th power of government, and calculat to go a little beyond us; thus the may obtain a decided superiorit over us, and reduce us to the utino: distress. A government, which can command but half its resources, i like a man with but one arm to de fend himself.

The fecond objection is that the impost is not a proper mode of tax ation; that it is partial to the fouth ern states. I confess I am mortified when I find gentlemen supposing that their delegates in convention were inattentive to their duty, and made a facrifice of the interells of their constituents. If, however, the impos be a partial mode, this circumstance high as my opinion of it is, would weaken my attachment to it; for abhor partiality. But I think there are three special reasons, why an imposis the best way of raising a national

revenue.

The first is, it is the most fruitful id eafy way. All nations have ound it to be fo. Direct taxation in go but little way towards raising revenue. To raise money in this ay, people must be provident; ney must be constantly laying up oney to answer the demands of ie co lecter. But you cannot make cople thus provident. If you would any thing to purpole, you must ome in when they are spending, id take a part with them. This es not take away the tools of man's business, or the necessary enfils of his family: It only comes , when he is taking his pleasure, d feels generous; when he is layg out a shilling for superfluities, takes two-pence of it for public e, and the remainder will do him much good as the whole. I will stance two facts, which shew how fily and infenfibly a revenue is raifby indirect taxation. I suppose ople in general are not fensible at we pay a tax to the state of ew-York. Yet it is an incontrortible fact, that we, the people Connecticut, pay annually into e treasury of New-York, more than ty thousand dollars. Another inance I will mention: One of our mmon river floops pays in the 'est-Indies a' portage-bill of £.60. his is a tax which foreigners lay oon us, and we pay it. For a duty id upon our thipping, which tranforts our produce to foreign marets, finks the price of our proice, and operates as an effectual x upon those who till the ground, nd bring the fruits of it to market. ll nations have seen the necessity ad propriety of raising a revenue by direct taxation, by duties upon ticles of consumption. France raises revenue of 24 millions sterling per num; and it is chiefly in this way. ifty millions of livres they raise on the fingle article of falt.

Swifs cantons raife almost the whole of their revenue upon falt. states purchase all the falt which is to be used in the country: they sell it out to the people at an advanced price: the advance is the revenue of the country. In England, the whole public revenue is about twelve millions sterling per annum. The land tax amounts to about two millions; the window and fome other taxes to about two millions more. The other eight millions are raised upon articles of confumption. The whole standing army of Great-Britain could not enforce the collection of this vast sum by direct taxation. In Holland, their prodigious taxes, amounting to forty shillings for each inhabitant, are levied chiefly upon articles of confumption. They excife every thing, not excepting even

their houses of infamy.

The experiments, which have been made in our own country, shew the productive nature of indirect taxes. The imports into the united states amount to a very large sum. They never will be less, but will continue to increase for centuries to come. As the population of our country increases, the imports will necessarily increase. They will increase; because our citizens will choose to be farmers, living independently on their freeholds, rather than to be manufacturers, and work for a groat a day. I find by calculation, that a general impost of 5 per cent. would raise the sum of £.245,-000 per annum, deducting 8 per cent. for the charges of collecting. A further fum might be deducted for fmuggling, a business which is too well understood among us, and which is looked upon in too favourable a light. But this lofs in the public revenue will be overbalanced by the increase of importations. And a further fum may be reckoned upon fome articles, which will bear a high-

er duty than the one recommended by congress. Rum, instead of 4d. per gallon, may be fet higher, without any detriment to our health or morals. In England it pays a duty of 4s. 6d. the gallon. Now let us compare this fource of revenue with our national wants. The interest of the foreign debt is f. 130,000 lawful money per annum. The expences of the civil lift are £.37,000. There are likewise further expenses for maintaining the frontier posts, for the fupport of those who have been disabled in the service of the continent, and fome other contingencies, amounting, together with the civil list, to f. 130,000. This fum added to the interest of the foreign debt, will be £.260,000. The confequence fellows, that the avails of the impost will pay the interest of the whole foreign debt, and nearly fatisfy these current national expences. But perhaps it will be faid that thefe paper calculations are overdone, and that the real avails will fall far short. Let me point out, then, what has actually been done. In only three of the flates, in Massachusetts, New-York and Pennfylvania, 160, or £.180,000 per annum have been raifed by impost. From this fact, we may certainly conclude, that, if a general impost should be laid, it would raise a greater sum than I have calculated. It is a strong argument in favour of an impost, that the collection of it will inter-, fere less with the internal police of the states, than any other species of taxation. It does not fill the country with revenue officers; but is confined to the fea coast, and is chiefly a water operation. Another weighty reason in favour of this branch of revenue is, if we do not give it to congress, the individual states will have it. It will give fome flates an opportunity of oppressing others, and deftroy all harmony between them.

If we would have the states friend to each other, let us take away th bone of contention, and place it, it ought in justice to be place in the hands of the general goverment.

"But," fays an honourable gentle man near me, "the impost will be partial tax: the fouthern flates wi pay but little in comparison with the northern." I ask, what reason there for this affertion? Why, far he, we live in a cold climate, ar want warming. Do not they live: a hot climate, and want quenching Until you get as far fouth as th Carolinas, there is no material diffe rence in the quantity of clothir which is worn. In Virginia the have the fame course of clothing that we have. In Carolina the have a great deal of cold, raw, chil weather: even in Georgia, the rive Savannah has been croffed upon the ice. And if they do not wear qui so great a quantity of clothing i thole states as with us; yet people of rank wear that which is of a muc more expensive kind .- In these stat we manufacture one half of or clothing and all our tools of hu bandry; in those, they manufactur none, nor ever will. They will no manufacture; because they find much more profitable to cultivatheir lands, which are exceedingly fertile. Hence they import almo every thing, not excepting the car riages in which they ride, the hot with which they till the ground, an the boots which they wear. If w doubt of the extent of their importations, let us look at their export So exceedingly fertile and profitable are their lands, that a hundred larg ships are every year loaded with ric and indigo from the fingle port c Charleston. The rich returns c thefe cargoes of immenfe value, wi be all subject to the impost. No thing is omitted; a duty is to b

paid upon the blacks which they imort. From Virginia their exports revalued at a million sterling per nnum: the fingle article of tobacco mounts to feven or eight hundred housand. How does this come back? not in money; for the Virgiiians are poor to a proverb, in moiey. They anticipate their crops: hey spend faster than they earn: hey are ever in debt. Their rich xports return in catables, in drinkbles, and in wearables. All these are ubject to the impost. In Maryland, heir exports are as great in propor-ion as those in Virginia. The mports and exports of the fouthern tates are quite as great in proportion s those of the northern. Where hen exists this partiality, which has een objected? It exists no where. out in the uninformed mind.

But there is one objection, mr. refident, which is broad enough to over the whole subject. Says the bjector, congress ought not to have ower to raife any money at all. Why? Because they have the power of the sword! and if we give them he power of the purse, they are lespotic. But I ask, sir, if ever here were a government without the ower of the fword and the purse? This is not a new-coined phrase: out it is misapplied: it belongs to quite another subject. It was brought into use in Great-Britain, where they have a king vested with hereditary power. Here, fay they, it is dangerous to placd the power of the fword and the purse in the hands of one man who claims an authority, independent of the people: therefore we will have a parliament. But he king and parliament together, the fupreme power of the nation, they have the fword and the purfe. And they must have both: else how could the country be defended? for the fword, without the purfe is of no effect: it is a fword in the scabbard. But does it follow, because

it is dangerous to give the power of the fword and purfe to a hereditary prince, who is independent of the people, that therefore it is dangerous to give it to the parliament—to congrefs, which is your parliament—to men appointed by yourfelves, and dependent upon yourfelves? This argument amounts to this, you must cut a man in two in the middle, to prevent his hurting himfelf.

But, fays the honourable objector, if congress levy money, they must legislate. I admit it. Two legislative powers, says he, cannot exist together in the fame place. I ask, why can they not? It is not enough. to fay, they cannot. I wish for fome reason. I grant that both cannot legislate upon the same object, at the fame time, and carry into effect laws which are contrary to each other. But the constitution excludes every thing of this kind. Each legislature has its province; their limits may be diftinguished. If they will run foul of each other, if they will be trying who has the hardest head, it cannot be helped. The road is broad enough; but if two men will justle each other, the fault is not in the road. Two several legiflatures have in fact existed, and acted at the fame time in the fame territory. It is in vain to fay they cannot exist, when they actually have done it. In the time of the war, we had an army. Who made the laws for the army? By whose authority were offenders tried and executed? Congress. By their authority a man was taken, tried, condemned, and hanged in this very city. He belonged to the army: he was a proper subject of military law; he deferted to the enemy; he deferved his fate. Wherever the army was, in whatever state, there congress had complete legislative, judicial and executive power. This very spot where we now are, is a city, complete legislative, judicial, and executive powers: It is a complete state in miniature. Yet it breeds no confusion, it makes no fchifm. The city has not eaten up the state, nor the state the city. But if there be a new city, if it have not had time to unfold its principles, I will instance the city of New-York, which is and long has been, an important part of that state; it has been found beneficial; its powers and privileges have not classed with the state. The city of London contains three or four times as many inhabitants as the whole state of Connecticut. It has extensive powers of government: and yet it makes no interference with the general government of the kingdom. This conftitution defines the extent of the powers of the general government. If the general legillature should at any time overleap their limits, the judicial department is a constitutional check. If the united states go beyond their powers, if they make a law which the constitution does not authorize, it is void; and the judicial power, the national judges, who, to secure their impartiality, are to be made independent, will declare it to be void. On the other hand, if the flates go beyond their limits, if they make a law which is an usurpation upon the general government, the law is void; and upright independent judges will declare it to be fo. Still, however, if the united states and the individual states will quarrel, if they want to fight, they may do it, and no frame of government can possibly prevent it. It is fufficient for this constitution, that, fo far from laying them under a necessity of contending, it provides every reasonable check against it. But perhaps at some time or other, there will be a contest, the states may rife against the general government. If this do take place, if all the states combine, if all oppose, the whole will not eat up the mem-

bers, but the measure which is oppose ed to the fense of the people, wil prove abortive. In republics, it is a fundamental principle, that the majority govern, and that the minority comply with the general voice. How contrary then to republican principles, how humiliating is our present situation! A single state can rife up, and put a veto upon the most important public measures. We have feen this actually take place. A fingle state has controuled the general voice of the union; a minority, a very fmall minority has governed us. So far is this from being confistent with republican principles, that it is in effect the worst species

of monarchy. Hence we see how necessary for the union is a coercive principle. No man pretends the contrary: we all fee and feel this necessity. The only question is, shall it be a coercion of law, or a coercion of arms? There is no other possible alternative. Where will those, who oppose a coercion of law, come out? where will they end? A necessary consequence of their principles is a war of the states one against another. I am for coercion by law—that coercion which acts only upon delinquent individuals. This constitution does not attempt to coerce fovereign bodies, states in their political capacity. No coercion is applicable to fuch bodies, but that of an armed force. If we should attempt to execute the laws of the union by fending an armed force against a delinquent state, it would involve the good and bad, the innocent and guilty, in the

But this legal coercion fingles out the guilty individual, and punishes him for breaking the laws of the union. All men will see the reasonableness of this; they will acquiesce, and say, let the guilty suffer.

fame calamity.

How have the morals of the people

en depraved for the want of an ficient government, which might tablish justice and righteousnessor the want of this, iniquity has ome in upon us, like an overflowing ood. If we wish to prevent this larming evil-if we wish to protect ie good citizen in his right-we uft lift up the standard of justice; e must establish a national governent, to be enforced by the equal ecifions of law, and the peaceable rm of the magistrate.

beech of the rew. mr. Shute in the convention of Maffachusetts, on the article of the new federal constitution, which provides, that no religious test shall over be required as a qualification to an office.

O object to the latter part of on, which excludes a religious test, , I am sensible, very popular; for e most of men, some how, are gidly tenacious of their own fentients in religion, and disposed to spose them upon others, as the stanard of truth. If in my fentiments, oon the point in view, I should ffer from some in this honourable ody, I only wish for the exercise of at candour, with which true religion adapted to inspire the honest and ell-disposed mind.

To establish a religious test, as a salification for an office in the pro-)sed federal constitution, it appears me, fir, would be attended with jurious consequences to some indiduals, and with no advantage to

e whole.

By the injurious consequences to dividuals, I mean, that forme, who, every other respect, are qualified fill fome important post in governent, would be excluded by their not

being able to stand the religious test, which I take to be a privation

of part of their civil rights.

Nor is there to me any conceivable advantage, fir, that would refult to the whole, from such a test. Unprincipled and dishonest men will not hesitate to subscribe to any thing, which may open the way for their advancement, and put them in a fituation the better to execute their base and iniquitous designs. Honest men, alone, therefore, however well qualified to ferve the public, would be excluded by it, and their country be deprived of the benefit of their abilities.

In this great and extensive empire, there is and will be a great variety of fentiments in religion among its inhabitants. Upon a plan of a religious test, the question, I think, mult be, who shall be excluded from national truft? Whatever answer bigotry might fuggest-the dictates of candour and equity, I conceive, will be "none."

Far from limiting my charity and confidence to men of my own denomination, in religion, I suppose, and I believe, fir, there are worthy characters among men of every other denomination—among the quakers the baptitls, the church of Englandthe papills-and even among those who have no other guide, in the way to virtue and heaven, than the dictates of natural religion.

I must, therefore, think, fir, that the proposed plan of government, in this particular, is wifely conctructed; that as all have an equal claim to the bleffings of the government under which they live, and which they support, so none shall be excluded from them by being of any particular denomination in religion.

The presumption is, that the eyes of the people will be upon the faithful in the land; and from a regard to their own fafety, will choose for their rulers, men of known abilities-of known probity—of good moral characters. The apostle Peter tells us, that " God is no respecter of persons, but in every nation, he that feareth him, and worketh righteoufness, is acceptable to him:" and I know of no reason, why men of such a character in a community, of whatever denomination in religion, cateris paribus, with fuitable qualifications, should not be acceptable to the people, and why they may not be employed by them, with fafety and advantage in the important offices of government. The exclusion of a religious test in the proposed constitution, therefore, clearly appears to me, fir, to be in favour of its adoption.

Speech of mr. Symmes, in the convencion of Maffix-kufetts, on that fection of the new federal conftitution, which wells congress with prover to impose taxes—Delivered January 22, 1783.

Mr. President,
In such an assembly as this, and on a subject, that puzzles the oldest politicians, a young man, sir, will scarcely dare to think for himself; but if he venture to speak, the effort must certainly be greater.—This convention is the first representative body, in which I have been honoured with a seat; and men will not wonder, that a scene at once so new, and so august, should confuse, oppress and almost disqualify me to proceed.

Sir, I wish to be reak the candour of the convention—that candour which, I know, I need but ask, to have it extended to n., while I make a few indigested observations on the paragraph now in debate. I have hitherto attended with diligence, but no great anxiety, to the

reasoning of the ablest partizans both sides of the question. Indeed could have withed for a more of fectual, and (if I may term it I a more feeling representation in the lower house, and for a representation of the people in the senate I have been and still am desirous a rotation in office, to prevent the simple preparation of power in the same men.—And I have not be able clearly to see why the pland manner of holding electic should be in the disposal of course

But, fir, in my humble opinic thefe things are comparatively t leffer things of the law.—They doul lefs have their influence in the graeffect, and fo are effential to the fyltem. But fir, I view the fection to which we have at length arrive as the cement of the fabric, a this clause as the key-stone, or I may apply the metaphor) the nigic talisman on which the fate

it depends.

Allow me, fir, to recal to yo remembrance, that vesterday when I states were in doubt about granti to congress a five per cent. impo and the simple power of regulati trade—the time when fo delicwas the patriotic mind, that pov was to be transferred with a relucta with a sparing hand-and the in obvious utility could fearcely extit from the people. It appears me of some importance, to cor der this matter, and to demand co plete fatisfaction upon the questic why an unlimited power in I affair of taxation, is fo foon requ ed? is our fituation fo vaitly diff ent, that the powers, fo late fufficient, are now but the dust the balance? I observe, sir, th many men, who, within a few ye past, were strenuous opposers of augmentation of the power of co gress, are now the warmest adv cates of a power, so large as not

nit of a comparison with those sich they opposed. Cannot some them state their reasons then, I their reasons now, that we may lge of their confiftency-or shall be left to suppose that the otions of politicians, like those of multitude, vibrate from one exme to the other, and that we re no men among us, to whom can intrust the philosophic task

pointing out the golden mean? At present, congress have no powto lay taxes, &c. nor even to npel a compliance with their refitions. May we not suppose, t the members of the great conition, had feverely felt the imency of congress, while they were it, and therefore were rather too nly fet for an effectual increase power? That the difficulties they l encountered, in obtaining decent uisitions, had wrought in them a ree of impatience, which promptthem to demand the purse-strings the nation, as if we were invent, and the proposed congress re to compound with our credis?-Whence, fir, can this great, and almost said, this bold demand, ve originated? Will it be faid, it it is but a confistent and ne-Tary part of the general fystem? hall not deny these gentlemen the life of inventing a system comtely confistent with itself, and etty free from contradiction-but would alk, I shall expect to be (wered, how a system can be cessary for us, of which this is onfistent and necessary part?

But, fir, to the paragraph in hand congress, &c,

Here, fir, (however kindly conels may be pleased to deal with us) a very good and valid conveyce of all the property in the uni-I states-to certain uses, indeed, t those uses capable of any coniction, the trustee may think pro-Vol. III. No. IV.

per to make. This body is not amenable to any tribunal, and therefore, this congress can do no wrong. -It will not be denied, that they may tax us to any extent, but fome gentlemen are fond of arguing that this body never will do any thing. but what is for the common good. Let us consider that matter.

Faction, fir, is the vehicle of all transactions in public bodies, and when gentlemen know this fo well. I am rather furprized to hear them fo fanguine in this respect. The prevalent faction is the body—these gentlemen, therefore, must mean that the prevalent faction will always be right, and that the true patriots will always outnumber the men of low and felfish principles. From this it would follow, that no public meafure was ever wrong, because it must have been passed by the majority, and fo, I grant no power ever was, or will be abused,—In short, we know that all governments have degenerated, and confequently have abused the powers reposed in them: and why we should imagine better of the proposed congress, than of myriads of public bodies who have gone before them, I cannot at prefent conceive.

Sir, we ought (I speak it with fubmission) to consider that what we now grant from certain motives well grounded at prefent, will be exacted of posterity as a prerogative when we are not alive, to testify the tacit conditions of the grant-that the wisdom of this age will then be pleaded by those in power-and that the cession we are now about to make, will be actually clothed with the venerable habit of ancestral sanction.

Therefore, fir, I humbly presume we ought not to take advantage of our fituation in point of time, so as to hind posterity to be obedient to laws, they may very possibly dif-H

approve, nor expose them to a rebellion, which at that period will very probably end only in their far-

ther fubingation.

The paragraph in question, is an absolute decree of the people. congress shall have power-it does not fay that they shall exercise itbut our necessities fay, they must, and the experience of ages fays, that they will, and finally, when the expences of the nation, by their ambition, are grown enormous, that they will oppress the subject. For, fir, they may lay taxes, duties, imposts and excises !- One would suppose that the convention, sir, were not at all afraid to multiply words when any thing was to be got by it. By another clause, all imposts and duties, on exports and imports, wherever laid, go into the federal chest-so that congress may not only lay imposts and excises, but all imposts and duties that are laid on imports and exports, by any state, shall be a part of the national revenue -and befides, congress may lay an impost on the produce and manufactures of the country, which are confumed at home. And all thefe shall be equal through the states. Here. fir, I raise two objections-Ift. that congress should have this power. It is a universal, unbounded permission-and as such, I think, tro free people ought ever to confent to it, especially in so important a matter as that of property. I will not descend, sir, to an abuse of this future congress, until it exists, nor then, until it milbehaves, nor then, unless I dare. But I think that some certain revenue, amply adequate to all necessary purposes, upon a peace establishment, but certain and definite, would have been better, and the collection of it might have been guaranteed by every state to every other. We should then have known to what

we were about to subscribe. should have chearfully granted it-But now, we may indeed grant, who can chearfully grant—he know not what?

Again, fir, I object to the equaof these duties through the sta It matters not with me, in the fent argument, which of them fuffer by this proportion.—So probably will, as the confumption dutied articles will not, if we r judge from experience, be unifo in all.

But, fay fome, with whom I h conversed, it was for this rea that taxes were provided, that their affistance the defect of du in some states ought to be 1 Now then, let us supply plied. that the duties are so laid, that every state paid in proportion, that which paid most, the du alone would supply a frugal t fury. Some states will pay but 1 their proportion and fome will sca ly pay any thing. But those general who pay the least duty, the inland states, are least of all: to pay a land-tax, and therefore do not fee but this tax would c rate most against those who are 1 able to pay it.

I humbly fubmit it, fir, whetl if each state had its proportion fome certain gross sum assigned cording to its numbers, and a pe er was given to congress to col the same, in case of default in state, this would not have been fafer constitution?—For, fir, I: disapprove of the power to colle which is here vefted in congressis a power, fir, to burden us wit standing army of ravenous collect -harpies perhaps from another fta but who, however, were ne known to have bowels for any p pose, but to fatten on the life-ble of the people. In one age or t this will be the case, and when igress shall become tyrannical, le vultures, their fervants, will the tyrants of the village, by ofe presents all freedom of speech l action will be taken away.

Bir, I shall be told that these are aginary evils-but I hold to this xim, that power was never given this kind especially) but it was reised-and never exercised, but it s finally abused. We must not be used with handsome probabilities, we must be assured that we are no danger, and that this congress ld not distress us, if they were r fo much disposed.

To pay the debts, &c.

These words, sir, I confess are an ament to the page: and very fical words-But they are too ieral to be understood as any kind limitations of the power of conis, and not very easy to be undernd at all. When congress have purfe, they are not confined to id econemy, and the word debts e, is not confined to debts already itracted, or indeed, if it were, term "general welfare" might applied to any expenditure whatr. Or if it could not, who shall e to gainfay the proceedings of s body at a future day, when acding to the course of nature it Il be too firmly fixed in the fad-, to be overthrown by any thing t a general infurrection; an event t to be expected, confidering the ent of this continent : and if it re to be' expected, a sufficient reain itself for rejecting this or constitution that would tend to oduce it.

This clause, fir, is the very fiws of the constitution. And I hope universality of it may be fingu-; but it may be easily seen that tends to produce in time, as unirfal powers in every other reect. As the poverty of individu-, prevents luxury, fo the poverty of public bodies whether fole or aggregate, prevents tyranny. A nation cannot, perhaps, do a more politic thing than to supply the purse of its sovereign with that parfimony, which refults from a fense of the labour it costs, and so to compel him to comply with the genius of his people, and conform to their fituation, whether he will or nor. How different will be our conduct, if we give the entire difpofal of our property to a body, as yet almost unknown in theory, in practice quite, heterogeneous in its composition, and whose maxims are

yet entirely unknown.

Sir, I wish the gentlemen, who fo ably advocate this instrument. would enlarge upon this formidable clause, and I most sincerely wish that the effect of their reasoning, may be my conviction. For, fir, I will not dishonour my constituents, by supposing that they expect me to result that which is irresultable—the force of reason. No, sir, my conflituents ardently wish for a firm, efficient, continental government, but fear the operation of this which is now proposed. Let them be convinced that their fears are groundless, and I venture to declare, in their name, that no town in the commonwealth, will fooner approve the form, or be better subjects under it.

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Speech of the rew. mr. Thacher in the convention of Massachusetts, on the merits of the new constitution. - Delivered February 4. 1788.

Mr. President, X/HILE the different paragraphs of the proposed constitution have been debated, I have not troubled this honourable convention with any observations of my own upon the subject. Conscious that

there were men of deeper political

knowledge and of better abilities than myfelf, I conceived it my duty to attend to their instruction, that having heard with attention, I might decide with integrity. I view the object before us, as of greater moment than ever was known within the memory of man, or that hath been recorded by the historic page. Were we, mr. Prefident, this day to decide on the lives and fortunes of an hundred of the best citizens of this commonwealth, folemn would that province be; but much more interesting is the result of the present question; for in this case not a single city not a fingle flate-but a continent, wide and extended, may be happy or wretched according to our judgment; and posterity will either bless us for laying the foundation of a wife and equal government, or curse us for neglecting their important interests, and for forging chains for them, when we disdained to wear them ourfelves. Having therefore, as I truft, a full view of the magnitude of the object, I hope I shall be pardoned, if I offer my fentiments with freedom. I am fensible of the prejudices that Sublift against the profession to which I belong; but yet, entrusted by my constituents with so solemn a charge, I think they have a right to expect from me the reasons why I shall sinally confent to ratify the proposed form of government.

There are three circumstances which deserve notice in considering the subject. These are, the necessity that all the states have of some general bon l of union—the checks upon the government in the form offered for our adoption—and lastly, the particular disadvantages to which we shall be exposed, if we reject it.

With respect to the first of these considerations, I trust there is no man in his senses, but what will own, that the whole country hath largely felt the want of energy in the general go-

vernment. While we were at w with Britain, common danger pi duced a common union; but t cause being removed, the effect ce ed also. Nay, I do not know b we may fafely add, that that uni produced by uniform danger, wasft made grater to general and nation purpofes. This commonwealth, wi a generous difinterested regard to t good of the whole, app ared forem in the day of danger. At the conc. fion of the late war, two-thirds of t continental army were from Mas chufetts-their provision and the clothing proceeded also in a gre measure from our extraordinary e ertions. The people did this in 1 fullest confidence, that, when per and tranquillity were restored, fro the honour and justice of our fift states, our fupernumerary expenwould be abundantly repaid. Br alas! how much have our exped tions been blafted? The congre though willing, yet had no power do us justice. The small district Rhode Island, put a negative upthe collected wisdom of the continer This was done not by those who a the patrons of their present infamo fystem of paper currency-but I that part of them who now call ther felves honest men. We have ma exertions to flop the importation foreign luxuries. Our brethren the neighbouring states, from th view of local advantages, have take occasion to distress us upon the san account. They have encourage where we have prohibited; and I those iniquitous measures, have mad our virtue and public spirit, an ac ditional cause of our calamity. No have our calamities been local---the have reached to all parts of the un ted states, and have produced dislipa tion and indigence at home, and cor tempt in foreign countries. On the one hand, the haughty Spaniard h deprived us of the navigation of the

ver Mississippi-on the other, the ritish nation are, by extravagant uties, ruining our fishery. Our faiors are enflaved by the pirates of Aliers: our credit is reduced to fo w an ebb, that American faith is proverbial expression for perfidy, 3 Punic faith was among the Ro-Thus have we fuffered every pecies of infamy abroad, and poverv at home. Such, in fact, have been ur calamities, as are enough to conince the most sceptical among us, of ne want of a general government, in hich energy and vigour should be stablished, and at the same time, the ights and liberties of the people preerved.

A constitution hath been presented o us, which was composed and planted by men, who, in the council and ield, have, in the most conspicuous offices, ferved their country in the ate war. It comes authenticated by a nan, who, without any pecuniary eward, commanded our army, and who retired to a private station with nore pleasure than he left it. I do not fay, mr. Prefident, that this proves the form of government to be perfect, or that it is an unanswerable argument that we should adopt it. But it is a reason why we should examine it with care and caution, and that we should not rashly and precipitately to reject it.

It will be objected, "that there are more powers granted than are necessary, and that it tends to destroy the local governments of the particular states, and that it will eventually end either in aristocracy or despotism." To answer the objection, two considerations should be taken into view—the situation of the continent, when a constitution was formed—and the impossibility of preserving a perfect sovereignty in the states, after necessary powers were ceded to a supreme council of the whole. As to the first, let us candidly examine the

state of these republics, from New Hampshire to Georgia, and see how far vigour and energy were required. During the fession of the late convention, Massachusetts was on the point of civil war. In Vermont and New Hampshire, a great disaffection to their feveral governments prevailed among the people. New York abfolutely refused complying with the requisitions of congress. In Virginia, armed men endeavoured to ftop the courts of justice: in South Carolina, creditors by law were obliged to receive barren and useless land. for contracts made in filver and gold. I pass over the instance of Rhode Island; their conduct was notorious. In some states, laws were made directly against the treaty of peace: in others, flatutes were enacted, which clashed directly against any federal New lands fufficient to difcharge a great part of the continental debt, intruded upon by needy adventurers: our frontier settlements exposed to the ravages of the Indians. while the feveral states were unable or unwilling to relieve their diffress. Lay all these circumstances together, and you will find fome apology for those gentlemen, who framed this constitution: I trust you may charitably assign other motives for their conduct, than a defign to enflave their country, and to parcel out for themfelves, its honours and emoluments.

The fecond confide ation deferves its weight. Can the e local governments be fufficient to protect us from foreign enemies, or from difaffection at home? Thirteen flates are formed already. The fame number are probably to be formed from the lands not yet cultivated. Of the former, yet fmaller divisions may be made. The province of Maine hath defired a feparation; in time, a separation may take place. Who knows but that the same may happen with respect to the old colony of Plymonth.

Now conceive the number of states increased—their boundaries lessend,—their interests clashing! How eafy a prey to a foreign power! How hable to war among themselves! Let these arguments be weighed; and, I dare fay, fir, there is no man but what would conceive, that a cogreive power over the whole, searching through all parts of the system, is necessary to the preservation and happiness of the whole people.

But I readily grant all thefe reafons are not fumcient to furrender up the effential liberties of the people. But do we furrender them? This confeitution hath been compared both by its defenders and opponents to the British government: in my view of it, there is a great difference. Britain, the government is faid to confift of the three forms, monarchy, ariflocracy, and democracy; but in fact, is but a few removes from absolute despotism. In the crown is vested the power of adding at pleasure, to the second branch-of nominating to all the places of honour and emolument-of purchasing, by its immense revenues, the fuffrages of the house of commons-the voice of the people is but the echo of the king, and their boafted privileges lie entirely at his mercy. In this proposed form, each branch of power is derived either mediately or directly from the The lower house are elected directly by those persons who are qualifted to vote for the representatives of the state; and at the expiration of two years, become private men, unless their past conduct entitles them to a future election. The senate are elected by the legislatures of the different states, and represent their sovereignty. These powers are a check on each other, and can never be made either dependent on one another, or independent of the people. The prefident is chosen by electors, who are appointed by the people. The high

courts of justice arise from the president and senate; but yet the ministers of them can be remo ed only up on bad behaviour. The independenc of judges is one of the most favourable circumstances to public liberty for when they become the slaves of venal corrupt court, and the hireling of tyranny, all property is precarious and personal security at an end—iman may be stripped of all his possessions, and murdered with the form of law.

Thus it appears that all parts o this fystem arise ultimately from the people, and are still independent o each other. There are other re firaints, which, though not directly named in this constitution, yet an evidently differred by every man o common observation. These are the governments of the several states and the spirit of liberty in the peo-Are we wronged or injured i Our immediate representatives are those to whom we ought to apply their power and influence will still be great. But should any fervants of the people, however eminent their stations, attempt to enflave them, from the spirit of liberty such oppofition would arife, as would bring them to the scaffold. But admitting that there are dangers in accepting this general government; yet are there not greater hazards in rejecting it? Such is, mr. Prefident, the state of our affairs, that it is not in our power to carve for ourselves. To avoid the greatest, and to choose the least of two evils, is all that we can do. What then will be the probable effect, if this constitution be rejected? Have we not reason to fear new commotions in this commonwealth? If they arise, can we be always certain that we shall be furnished with a citizen, who, though possessed of extensive influence and the greatest abilities, will make no other use of them, than to

uiet the tumult of the people, to revent civil war, and to restore the fual course of law and justice? Are e not in danger from other states, then their interests or prejudices are pposite to ours? And in some such zenes of hostile contention, will not ome Sylla drench the land in blood, ir fome Cromwell or Cæfar lay our berties prostrate at his feet? Will ot foreign nations attack us in our reak, divided condition, and once iore render us provinces to some poentate of Europe? Or will those owers, to whom we are indebted, ie quiet? They certainly will not. They are now waiting for our decion; but when they once fee that ur union is broken, and that we re determined to neglect them, they vill iffue out letters of marque and eprifal, and entirely destroy our comnerce.

If this system is broken up, will nirteen of even nine states ever agree another? And will providence mile on a people, who despise the rivileges put into their hands, and tho neglect the plainest principles of justice and honesty? After all, I ly no means pretend, that there is omplete perfection in this proposed onstitution-like all other human productions, it hath its faultsprovision is made for an amendment, vhenever from practice it is found oppressive. I would add the propoals which his excellency has condecended to lay before this honourable convention, respecting future alterations, and real improvements for the better, and we have no reason to doubt, but they will be equally attended to by other states, as they lead to common fecurity and prefervation.

Some of the gentlemen in the opposition have quoted ancient history, and applied it to the question now under debate. They have shewn us the danger which arises from vesting magistrates with too much power. I wish they had gone on to tell the whole truth. They might have fhewn how nearly licentiousness and tyranny are allied-that they who will not be governed by reason, must submit to force-that demagogues, in all free governments, have first held out an idea of extreme liberty, and have feized on the rights of the people under the mask of patriotism. They might have shewn us a republic, in which wisdom, virtue, and order, were qualities, for which a man was liable to banishment; and on the other hand, boafting, fedicion, and falshood, the fure road to honour and promotion.

I am forry that it hath been hinted by fome gentlemen in this house, as if there were a combination of the rich, the learned, and those of liberal professions, to establish and support an arbitrary form of government-Far be it from me to retort. so uncharitable, and unchristian a fuggestion. I doubt not the gentlemen who are of different fentiments from myfelf, are actuated by the purest motives. Some of them I have the pleasure to be particularly acquainted with, and can fafely pronounce them to be men of virtue and honour-They have, no doubt, a laudable concern for the liberties of their country; but I would beg them to remember, that extreme jealoufy and suspicion may be as fatal to freedom as fecurity and negligence.

With respect to myself, I am conscious of no motives which guide me in this great and solemn question, but what I could justify to my own heart, both on the bed of death, and before the tribunal of Omnipotence. I AM A POOR MAN—I HAVE THE FEELINGS OF A POOR MAN. If there are honours and emoluments in this proposed constitution. I shall,

by my profession and circumstances in life, be for ever excluded from them. It is my wish and prayer, that in the folemn verdict we are foon to pronounce, we may be directed to that measure, which will be for the glory, freedom and felicity of my country.

I shall trouble this house no further, than wishing fincerely, that the people, in this their day, may know the things which belong to their

peace.

Speech of mr. Barrel, in the convention of Moffachusetts, on the new constitution, and the necessity of amendments thereto-Delivered February, 5, 1788.

Mr. President,

A W E D in the presence of this august affembly—conscious of my inability to express my mind fully on this important occasion—and sensible how little I must appear in the eyes of those giants in rhetoric, who have exhibited fuch a pompous display of declamation-without any of those talents calculated to draw attention-without the pleafing eloquence of Cicero, or the blaze of Demosthenian oratory, I rife, fir, to discharge my duty to my constituents, who, I know, expect fomething more from me than merely a filent vote. With no pretensions to talents above the simple language adapted to the line of my calling, the plain husbandman, I hope the gentlemen who compose this honourable body, will fully understand me when I attempt to speak my mind of the federal confitution as it now stands .- I wish, fir, to give my voice for its amendment before it can be falutary for our acceptance-because, sir, notwithstanding the Wilsonian oratory, and all the learned arguments I have

feen written-notwithstanding th many laboured speeches I have hear in its defence, and after the be investigation I am able to give th fubject, I' fear it is pregnant wit haneful effects, although I may no live to feel them.

Because, fir, as it now stand congress will be vested with mo extensive powers than ever Grea Britain exercised over us-too grea in my opinion, to entrust with an class of men, let their talents c virtues be ever fo conspicuous, eve though composed of such exalte amiable characters as the great Wash ington: for while we confide them as men of like passions, the same spontaneous, inherent thirst sc power with ourselves-great an good as they may be, when the enter upon this all-important charge what fecurity can we have that the will continue fo? And, fir, wer we fure they would continue th faithful guardians of our liberties and prevent any infringement on th privileges of the people---what al furance can we have that fuch me: will always hold the reins of go vernment? that their fuccessors wil be fuch? Hiftory tells us Rom was happy under Agustus -- though wretched under Nero, who could have no greater power than Au gustus -- and yet this same Nero when young in government, could fhed tears on figning a death warrant, though afterwards become fo callous to the tender feelings of humanity, as to behold with pleafure, Rome in flames.

Because, fir, I think that fix years are too long a term for any fet of men to be at the helm of government: for in that time they may get fo firmly rooted, and their influence be fo great, as to conti-

nue themselves for life.

Because, sir, I am not certain we are able to support the additional penie of fuch a government. Because, sir, I think a continental llector will not be so likely to ous justice in collecting the taxes, collectors of our own.

Because fir, I think a frame of overnment, on which all laws are unded, should be so simple and plieit, that the most illiterate may derstand it; whereas this appears me so obscure and ambiguous, at the most capacious mind cannot lly comprehend it.

Because, sir, the duties of excise dimpost and to be taxed besides, pear too great a sacrifice: and nen we have given them up, what all we have to pay our own debts

t a dry tax?

Because, fir, I do not think this II produce the efficient government we are in pursuit of.

Because, fir, they will fix their or falaries without allowing any ntroul.

And because, fir, I think such a vernment may be disagreeable to in with the high notions of liber, we Americans have.

And, fir, I could wish this contution had not been in fome parts the continent hurried on like the iving of Jehu, very furiously: for ch important transactions should without force, and with cool deeration. These, sir, were my obtions, and those of my constituts, as they occur to iny memory; me of which have been removed the course of the debates, by the genious reasonings of the speakers. vish I could fay the whole were. it after all, there are some yet rein on my mind-enough to conice me, that excellent as this fystem in some respects it needs alteratis; therefore Ithink it becomes us as fe men - as the faithful guardians the people's rights-and as we Ih well to posterity, to propose h amendments, as will fecure to Vol. III. No. IV.

us and ours that liberty, without which life is a burden.

Thus, fir, have I ventured to deliver fentiments in which are involved those of my constituents on this important subject, cautiously avoiding every thing like metaphysica reasoning; lest I should invade the prerogative of those respectable gentlemen of the law who have fo copionfly displayed their talents on this occasion-But, fir, although you may perceive, by what I have faid, that this is not in my view, the most perfect system I could wish—vet as I am possessed with an affurance, that the proposed amendments will take place—as I dread the fatal effects of anarchy-as I am convinced the confederation is effentially deficient, and that, it will be more difficult to amend that than to reform this—and as I think this constitution, with all its imperfections, is excellent, compared with that-and that it is the best constitution we can now obtain-as the greatest good I can do my country at prefent, I could wish for an adjournment, that I might have an opportunity to lay it before my constituents, with the arguments which have been used in the debates, which have eased my mind, and, I trust, would have the same effect on theirs, fo as heartily to join me in ratifying the same: but, sir, if I cannot be indulged in this defirable object, I am almost tempted to risque their displeafure, and adopt it without their consent.

Speech of the rev. mr. Stillman, in the convention of Maffachufetts, on the general question, to ratify the new federal constitution, with the amendments proposed by his excellency governor Hancock.—Delivered February 6, 1788.

Mr. President,

I Rife, with deference to gentlemen of superior abilities, to give my opinion on the present all-important national question, and the reafons on which it is founded-an opinion, the refult of the most serious deliberation.

Upon entering the convention, it was my full determination, to keep my mind cool, and open to conviction, fo that I might profit by the difcussion of this interesting subject. And now, fir, I return my fincerest thanks to the gentlemen who have taken opposite sides in the course of the debates. From both I have received advantage: from one class, in bringing forward a great variety of objections; from the other class in answering them. Whatever my previous opinion was, I now stand on firmer ground than ever, respecting the proposed constitution.

But my present situation, sir, is to me extremely affecting. To be called by the voice of my fellow-citizens, to give my vote for or against a constitution of government, that will involve the happiness or misery of millions of my countrymen, is of fo folemna nature, as to have occasioned the most painful anxiety.

I have no interest to influence me to accept this constitution of government, distinct from the interest of my countrymen at large. We are all embarked in one bottom, and

must fink or swim together.

Besides, fir, heaven has fixed me in a line of duty, that precludes every prospect of the honours and the emoluments of office. Let who will govern, I must obey. Nor would I exchange the pulpit, for the highest honours my country can confer. I too have personal liberties to secure, as dear to me as any gentleman in the convention, and as numerous a family, probably, to engage my attention. Besides which, I stand here, with my very honourable colleagues, as a representative of the citizens of this great metropolis, who have been pleased to honour with their confidence: an honor in my view, unspeakably grea than a peerage or a penfion.

The absolute deficiency of articles of confederation, is allow by all. Nor have I feen any publi tion that places this subject in so co vincing a point of light, as a let written by his excellency govern Randolph which has appeared feveral of our newspapers; wh I the rather in roduce on this oc sion, because he was a delegate the late federal convention—refu to fign the constitution before a and has been twice mentioned gentlemen in opposition. His c dour, apparent in the letter refer to, does him honour, and merits esteem of every candid mind. I clare, fir, I revere his character, wl I differ from him in opinion.

" Before my departure for the (" deral) convention, fays he, I " lieved, 'that the confederation 1 "not so eminently defective as "had been supposed. But afte "had entered into a free converf " on with those who were best " formed of the condition and ir " rest of each state—after I had co " pared the intelligence derived fr "them, with the properties t " ought to characterize the gove " ment of our union-I became ; " fuaded, that the confederation ! " destitute of every energy which " constitution of the united st. "ought to possess." And after had in a most masterly manner pr ed its inefficiency, he adds: " 1 " now, fir, permit me to decla "that in my humble judgment, " powers, by which alone the b "fings of a general government

" be accomplished, cannot be int " woven in the confederation, wi "out a change of its very essen

" or, in other words, that the con "deration must be thrown asid

laving stated his objections to it, he oceeds thus, " My inference from these facts and principles, is, that the new powers must be deposited in a new body, growing out of the confolidation of the union as far as the circumstances of the states will allow." Thus fully and indidly does this gentleman infift the absolute necessity of a new institution of general government, the very time that he objected to e present form; and concludes his tter with these memorable words. hich I most heartily wish may make deep impression on the mind of evegentleman in the opposition—" I hesitate not to say, that the most fervent prayer of my soul is, the establishment of a firm energetic government; that the most inveterate curse which can befal us, is, a diffolution of the union; and that the prefent moment, if fuffered to pass away unemployed can. never be recalled .- I shall therefore cling to the union as the rock of our falvation, and urge Virginia to finish the salutary work which she hath begun .-And if, after our best efforts for amendments, they cannot be obtained, I feruple not to declare, (notwithstanding the advantage the declaration may give to the enemies of my proposal) that I will, as an individual citizen, accept the conflitution."

—I pause, fir—that every gentleman present may have time to inulge those feelings, which these exellent expressions must occasion. Any that God, who has the hearts of ll men under his controul, inspire very member of this convention with a similar disposition! Then hall we lay aside every opposite interest, and unite, as a band of brothers, in the ratification of this contitution of national government.

Then, fir, will your terms of con-

ciliation be attended to with gratitude and candour Your excellency depressed with bodily infirmity, and exercised with severe pain, have stepped forth at the critical moment, and from the benevolence of your heart, presented us with a number of proposed amendments, in order, if possible, to quiet the minds of the gentlemen in opposition, and bring us together in amity and peace—amendments which you, sir, declare you do not think necessary, except for the sole purpose of uniting us in a common and most important cause.

But what has been the confequence of your excellency's conciliatory propositions?—Jealoufy, jealoufy, fir, that there was a snake in the grass; a secret intention to deceive! I shudder at the ungenerous suggestion; nor will I dwell a moment longer on the distressing idea. Be banished for ever the groundless suspicion of him, whose name stands foremost in the list of American patriots!—Let love

and harmony prevail.

The important hour is just arrived, when the die will be cast, that will in a great measure determine the sate of this commonwealth, and have a mighty influence on the general interest of the union. For from the best information I have been able to collect from gentleman of observation, and of undoubted veracity, in different states, there is the greatest reason to sear, that the rejection of this constitution will be followed with anarchy and confusion.

The convention, I doubt not, will bear with me while I take a general view of the conditution before us. From all that has been faid on the subject of biennial elections, it is my decided opinion, that two years in the general government will not be in proportion to one year in the local governments; because in the former, the objects of government will be great, numerous, and extensive; in

the latter, comparatively fmall and limited. The general government involves all the states now in the union—all such as shall in suture accede to it—all foreign nations with whom we now are or hereaster shall be inalliance—an extensive and growing commerce—war and peace, &c. &c.

It has been said, that this is a stride toward feptennial elections, or perpetuity in office. I answer, the constitution itself is to be the rule. That declares, that " representatives shall be chosen every second year by the people of the feveral states." Elections, then, of representatives, must be every fecond year; nor can they be otherwise, without a direct violation of the constitution. The menwho shall be wicked enough to do this, would not be restrained, had the elections been annual; it being equally easy to violate the constitution in the one case as in the other. Elections indeed, ought to be so frequent, as to make the representatives feel that they are dependent on, and amenable to the people. The difference then between annual and biennial elections, is fmall; and either will' answer the end just mentioned.

The powers, which are granted to congress by this instrument, are great and extensive: but; fir, they are defined and limited, and in my judgment, fufficiently checked; which I shall prove, before I sit down. These powers have been the subject of long and ingenious debate. But the arguments, that have been made use of against delegating these powers to the general government, prove too much, being applicable to all delegated power; I mean the possible abuse of it. The very term, government, implies a supreme, controuling power somewhere-a power to ccerce, whenever coercion shall be necessary: of which necessity, government must be the judge. This is admitted; if

fo, the power may be abused. Ever gentleman must confess, that we can not give a power to do good, but may be abused to do evil; If a me chant commit the care of a ship ar cargo to the master; he may dispo of both, and appropriate the mone to his own use. If we raise a body men, and put arms into their han for our defence; they may turn the against us, and destroy us. All the things prove, however, that in ord to guardias muchas possible; agair. the abuse of those powers we del gate to government, there ought 1 be sufficient checks to them: ever precaution should to be used, to secu the liberties of the people on the or hand, and not render government it efficient on the other. I believe, fi fuch fecurity is provided in this cor stitution: if not; no consideration shall induce me to give my voice i its favour. But the people are fecure by the following circumstances:

ift. All the offices in congress at elective, not hereditary. The prefident and senators are to be chosen be the interposition of the legislatures of the several states; who are the representatives and guardians of the people; whose honour and interest will lead them, in all human probability to have good men placed in the ge

neral government.

The representatives in congress ar to be chosen every second year by th people in the several states. Consequently, it lies with the people them selves to say who shall representem. It will therefore be their own fault, if they do not choose the best men in the commonwealth.

Who are congress then? they are ourselves: the men of our own choice in whom we can conside; whose interest is inseparably connected with our own. Why is it, then, that gentleman speak of congress as some foreign body—as a set of men who will

eek every opportunity to enflave us? such infinuations are repugnant to he spirit of the constitution.

But a worthy gentleman from Middleborough has told us, that hough they may be good men when hofen, they may become corrupt. They may fo: nor is it in the power fangels or men to prevent it: but hould this be the cafe, the confitution has made provision for such an vent. When it happens, we shall now what method to adopt, in orler to bring them to punishment.

2. In all governments, where officers re elective, there ever has been, and here ever will be, a competition of nterests. Those who are in office, vish to keep in, and those who are nut, to get in: the probable consejuence of which will be, that those vho are already in place, will be atentive to the rights of the people; because they know that they are dependent on them for a future elecion, which can be fecured by good behaviour only. Befides, those who ire out of office, will watch those who are in with a most critical eye, n order to discover and expose their nal-conduct, if guilty of any, that fo they may step into their places. Every gentleman knows the influence, that a defire to obtain a place, or the fear of losing it, hath on mankind. Mr. Burgh tells us, that towards the close of the seven years, for which the representatives are chosen in the British parliament, they become exceedingly polité to the people: why? because they know there is an approaching election depending. This competition of interest, therefore, between those persons who are in, and those who are out of office, will ever form one important check to the abuse of power in our representatives.

3. Every two years there will be a revolution in the general government, in favour of the people. At the expiration of the first two years, there

will be a new choice of representatives: at the expiration of the second two years, there will be a new choice of president and representatives: and at the expiration of the third term, making fix years from the commencement of the congress, there will be a new choice of senators and representatives. We all know, fir, that power, thus frequently reverting to the people, will prove a security to their liberties, and a most important check to the power of the general government.

4. Congress can make no laws that will oppress the people, which will not equally involve themselves in the oppression. What possible motive, then, can congress have to abuse their power? Can any man fuppose, that they will be so lost to their own interest, as to abuse their power, knowing, at the fame time, that they equally involve themselves in the difficulty? It is a most improbable supposition. This would be like a man's cutting off his nose to spite his face. I place this, sir, among the fecurities of the liberties of my-fellow citizens, and rejoice

5. Congress guarantee to every state in the union a republican form of government, and engage to protect them against all foreign and domestic enemies; that is, as it hath been justly observed by the hon. gentleman (mr. Adams) near me, of known and tried abilities as a politician, each state shall choose such republican form of government as they please, and congress solemnly engage themselves to protect it from every kind of violence, whether of faction at home, or enemies abroad. This is an admirable fecurity of the people at large, as well as of the feveral governments of the states; consequently the general government cannot swallow up the local governments, as fome gentlemen have fuggested. Their existence is dependent on each other, and they must stand or fall together. Should congressever attempt the destruction of the particular legislatures, they would be in the same predicament with Sampson, who overthrew the house in which the Philistines were making sport at his expense; them he killed indeed, but he buried himself in the ruins.

6. Another check in favour of the people, is this—that the conflitution provides for the impeachment, trial, and punishment of every officer in congress, who shall be guilty of mal-conduct. With such a prospect, who will dare to abuse the powers

vested in him by the people?

7. Having thus confidered feveral of the checks to the powers of congrefs, which are interwoven with the conflitution, we will now suppose the worst that can take place, in confequence of this adoption; I mean, that it shall be found in some of its parts oppressive to the people; still we have this dernier refort, it may be amended. It is not like the laws of the Medes and Persians, immutuable. The fifth article provides for amendments.

It has been faid, it will be difficult, after its ratification, to procure any alterations. By no means, firfor this weighty reafon: it is a general government, and fuch as will have a general influence. All the states in the union will feel the difficulty; and, feeling it, will readily concur in adopting the method provided by the constitution: and having once made a trial, experience will teach us what amendments are necessary.

Viewing the confliction in this light, I fland ready to give my vote for it without any amendments at all. Yet if the amendments proposed by your excellency, will tend to conciliation, I readily admit them, not as a condition of acceptance, but

as a matter of recommendation only knowing that, "Bleffed are the peace makers."—I am ready, fir, to fubmi my life, my liberty, my family, my property, and, as far as my vot will go, the interests of my constituents, to this general government.

After all, if this constitution were as perfect as the facred volume is, i would not fecure the liberties of the people, unless they watch their own liberties. Nothing written on pape will do this. It is therefore necessa ry, that the people should keep : watchful, not an over-jealous eye or their rulers; and that they should give all due encouragement to our colleges, schools of learning, &c that fo knowledge may be diffused through every part of our country Ignorance and flavery, knowledge and freedom are inseparably connect ed. While Americans remain in their present enlightened condition, and warmly attached to the cause of liberty, they cannot be enflaved Should the general government become fo loft to all fenfe of honour and the freedom of the people, as to attempt to enflave them, they who are the descendants of a race of men, who have dethroned kings, would make an American congress tremble; thrip them of their public honours; and reduce them to the lowest state of degradation.

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Speech of mr. Ames, on the subject of the brennial elections of the house of representatives, in the proposed system of sederal government. Delivered in the convention of Massachusetts, Jumury 22, 1788.

To not regret mr. President, that we are not unanimous upon this question. I do not consider the diversity of sentiment which prevails, as an impediment in our way to the disco-

very of truth. In order that we may think alike upon this subject at last, we shall be compelled to discuss it, by afcending to the principles upon which the doctrine of representation

is grounded.

Without premeditation, in a situation to novel, and awed by the refpect which I feel for this venerable affembly, I distrust extremely my own feelings, as well as my competency to profecute this enquiry. With the hopes of an indulgent hearing, I will attempt to proceed. I am fenfible, fir, that the doctrine of frequent elections, has been fanctified by antiquity: and is still more endeared to us, by our recent experience, and uniform habits of thinking. Gentlemen have expressed their zealous partiality for it. They consider this as a leading question in the debate, and that the merits of many other parts of the constitution are involved in the decision. I confess, sir, and I declare, that my zeal for frequent elections, is not inferior to their own. I confider them as one of the first securities for popular liberty, in which its very effence may be fupposed to refide. But how shall we make the best use of this pledge and instrument of our fafety? A right principle, carried to an extreme, becomes useless. It is apparent, that a delegation for a very short term, as for a fingle day, would defeat the design of representation. The election in that case would not seem to the people to be of any importance; and the person elected would think as lightly of his appointment. The other extreme is equally to be avoided. An election for a very long term of years, or for life, would remove the member too far from the controul of the people, would be dangerous to liberty, and, in fact, repugnant to the purpofes of the delegation. The truth, as usual, is placed fomewhere between the extremes; and I believe is included in this proposition: The term of election must be fo long, that the representative may understand the interests of the people, and yet fo limited, that his fidelity may be secured by a dependence upon their approbation.

Before I proceed to the application of this rule, I cannot forbear to premise some remarks upon two opinions which have been fuggested.

Much has been faid about the people divetting themselves of power. when they delegate it to reprefentatives; and that all reprefentation is to their difadvantage, because it is but an image, a copy, fainter and more imperfect than the original-the people-in whom the light of power is primary and unborrowed which is only reflected by their delegates. I cannot agree to either of these opinions. The representation of the people is fomething more than the people. I know, fir. but one purpose which the people can effect without delegation, and that is, to deftroy a government. That they cannot erect a government, is evinced by our being thus affembled, on their behalf. The people must govern by a majority, with whom all power refides. But how is the fense of this majority to be obtained? It has been faid, that a pure democracy is the best zovernment for a fmall people, who may affemble in person. It is of fmall confequence to discuss it, as it would be inapplicable to the great country we inhabit. It may be of fome use in this argument, however, to confider, that it would be very burdensome-subject to faction and violence: decifions would often be made by furprise, in the precipitancy of passion, by men who either understood nothing, or cared nothing about the subject; or by interested men, or those who voted for their own indemnity. It would be a government not by laws, but by men.

Such were the paltry democracies of Greece and Afia Minor, fo much extolled, and fo often proposed as models for our imitation. I defire to be chankful that our people are not under any temptation to adopt the advice. I think it will not be denied, that the people are gainers by the election of representatives. They may destroy, but they cannot exercise the powers of government, in person: but by their servants, they govern. They do not renounce their power-they do not facrifice their rights-they become the true fovereigns of the country, when they delegate that power, which they cannot use themselves, to their trus-

I know, fir, that people talk about the liberty of nature, and affert, that we divest ourselves of a portion of it, when we enter into fociety. This is declamation against matter of fact. We cannot live without fociety: and as to liberty, how can I he faid to enjoy that, which another may take from me when he pleases? The liberty of one depends not fo much on the removal of all restraint from him, as on the due restraint upon the liberty of others. Without fuch restraint, there can be no liberty. Liberty is fo far from being endangered or destroyed by this, that it is extended and fecured. For I faid, that we do not enjoy that, which another may take from us. But civil liberty cannot be taken from us, when any one may please to invade it: for we have the thrength of the fociety of our fide.

I hope, fir, that these reflexions will have some tendency to remove the ill impressions which are made by proposing to divest the people of their power.

That they may never be divested of it, I repeat, that I am in favour of frequent elections. Those, who commend annual elections, are desired to

confider, that the question is, wheth biennial elections be a defect in the constitution? for it does not tollow because annual elections are safe, th biennial are dangerous: for both ma be good. Nor is there any found: tion for the fears of those, who sa that if we, who have been accustome to choose for one year only, now e: tend it to two, the next stride will l to five, or feven years, and the ne: for term of life: for this article with all its supposed defects, is i favour of liberty. Being inserted i the constitution, it is not subject 1 be repealed by law. We are fure the it is the worst of the case.

It is a fence against ambitious er croachments too high and too stron to be passed: in this respect, we hav greatly the advantage of the peop of England, and of all the world.— The law, which limits their parliaments, is liable to be repealed.

I will not defend this article, be faying that it was a matter of compremise in the federal convention: it has my entire approbation as it stands I think we ought to prefer in this at ticle, biennial elections to annual and my reasons for this opinion, ar drawn from these sources:

From the extent of the country to be governed;

The objects of the legislation;
And the more perfect fecurity of our liherty.

It feems obvious, that men, whare to collect in congress from thi great territory, perhaps from the bay of Fundy, or from the banks of the Ohio, and the shore of Lake Superi or, onght to have a longer term in office, than the delegates of a singlestate, in their own legislature. It is not by riding post to and from congress, that a man can acquire a just knowledge of the true interests of the union. This term of election is in applicable to the state of a country as large as Germany, or as the Ro

man empire in the zenith of its

power.

If we consider the objects of their delegation, little doubt will remain. It is admitted that annual elections may be highly fit for the state legiflatures. Every citizen grows up with i knowledge of the local circumlances of the state. But the business of the federal government will be very different. The objects of their ower are great and national. At least wo years in office will be necessary o enable a man to judge of the trade ind interests of states which he never aw. The time, I hope, will come, vhen this excellent country will furnish food (and freedom, which is beter than food-which is the food of he foul) for fifty millions of happy cople. Will any man fay, that the ational business can be understood n one year?

Biennial elections appear to me, ir, an essential security to liberty.

These are my reasons.

Faction and enthusiasm are the infruments by which popular governnents are destroyed. We need not alk of the power of an aristocracy. The people, when they lofe their lierties, are cheated out of them. They ourish factions in their bosoms, which will subfift so long as abusing heir honest credulity, shall be the neans of acquiring power. A denocracy is a volcano, which conceals he fiery materials of its own destruc-These will produce an erupion, and carry desolation in their vav. The people always mean right: nd if time be allowed for reflexion nd information, they will do right. would not have the first wish-the iomentary impulse of the public ind, become law; for it is not alrays the fense of the people; with hom, I admit, that all power redes. On great questions, we first ear the loud clamours of passion, arfice, and faction. I confider biennial Vol. III, No. IV.

elections as a fecurity, that the fober fecond thought of the people shall be law. There is a calm review of public transactions, which is made by the citizens who have families, and children, the pledges of their fidelity. To provide for popular liberty, we must take care that measures shall not be adopted without due deliberation.

The member, chosen for two years, will feel fome independence in his feat. The factions of the day will expire before the end of his term.

The people will be proportionably attentive to the merits of a candidate. Two years will afford opportunity to the members to deferve well of them: and they will require evidence that they have done it.

But, fir, the representatives are the grand inquisition of the union. They are by impeachment to bring great offenders to justice. One year will not suffice to detect guilt, and purfue it to conviction. Therefore they will escape, and the balance of the two branches, will be destroyed, and The people oppressed with impunity, the senators will represent the so-vereignty of the states. The representatives are to represent the people. The offices ought to bear some proportion in point of importance. This will be impossible, if they be chosen for one year only.

Will the people then blind the eyes of their own watchmen? Will they bind the hands which are to hold the fword for their defence? Will they impair their own power, by an unreasonable jealousy of them-

felves?

For these reasons, I am clearly of opinion, that the article is entitled to our approbation, as it stands: and as it has been demanded, why annual elections were not preferred to biennial, permit me to retort the question, and to enquire in my turn, what reason can be given, why, if K

annual elections be good, biennial elections are not better?

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Refolves proposed to the federal convention, by the honourable mr. Patterson, of New Jersey.

1. RESOLVED, that an union of the states, merely sederal, ought to be the sole object of the exercise of the powers vested in this convention.

2. Refolved, that the articles of the confederation ought to be fo revifed, corrected, and enlarged, as to render the federal conflitution adequate to the exigencies of government, and the prefervation of the union.

3. Refolved, that in addition to the powers vested in the united states in congress, by the present exitting articles of confederation, they be authorised to pass acts for raising a revenue by laying a duty or duties on all goods and merchandife of foreign growth or manufacture, imported into any part of the united states; by imposing stamps on paper, parchment, and vellum; and by a postage on all letters and packages passing through the general post of-fice, to be applied to such federal purposes, as they shall deem proper and expedient; to make rules and regulations, for the collection thereof; and the same from time to time to alter and amend in fuch manner as they shall think proper: provided that all punishments, fines, forfeitures, and penalties, to be incurred for contravening fuch rules and regulations, shall be adjudged by the common law judiciaries of the state in which any offence, contrary to the true intent and meaning of fuch rules or regulations, shall be committed or perpetrated; with liberty of commencing all fuits or profecutions for that purpose, in the first instance, in

the fupreme common law judiciars of fuch state—subject, nevertheless to an appeal in the last refort, for the correction of errors, both of law ansafact, in rendering judgment, to the judiciary of the united states; and that the united states thall have authority to pass acts for the regulation of trade and commerce, as well wit foreign nations, as with each other

4. Refolved, that should requiftions be necessary, instead of the present rule, the united states in corgress be authorised to make suc requisitions in proportion to the whole number of white and other ceitizens and inhabitants, of every age, sex, and condition, incluing those bound to servitude for term of years, and three-fifths of a other persons, not comprehended ithe foregoing descriptions (excelled).

5. Refolved, that if such requisit ons be not complied with, in the tim specified therein, the united states i congress shall have power to dire the collection thereof in the non-con plying states; and for that purpose devise and pass acts directing and at thorising the same: provided that not of the powers hereby vested in the unied states in congress shall be exercise without the consent of at least

ftates; and in that proportion, shoulthe number of confederated state hereafter be increased or diminisher

6. Refolved, that the united flat in congress, shall be authorised elect a tederal executive, to consist

person or persons, to continuin office for the term of year to receive punctually, at stated time a fixed compensation for the service by him or them to be rendered, in which no increase or diminute shall be made, so as to affect the excutive in office, at the time of such increase or diminution, to be parout of the sederal treasury; to lineapable of holding any other or

fice or appointment during the time of fervice, and for years after; to be ineligible a fecond time, and removable on impeachment and conviction for mal-practice, corrupt con-

duct, and neglect of duty.

7. Refolved, that the executive, befides a general authority to execute the federal acts, ought to appoint all federal officers, not otherwife provided for, and to direct all military operations; provided that the executive shall not on any occasion take command of any troops, so as personally to conduct any military enterprise as general, or in any other

capacity.

8. Refolved, that the legislative acts of the united states, made under and in pursuance to the articles of union, and all treaties made and ratified under the authority of the united states, shall be the supreme law of the respective states, as far as those acts or treaties shall relate to the said states or their citizens and inhabitants; and that the judiciaries of the several states shall be bound thereby in their decisions; any thing in the respective laws of the individual states to the contrary notwithstanding.

9. Refolved, that if any state or body of men in any state, shall oppose or prevent the carrying into execution such acts or treaties, the federal executive shall be authorised to call forth the powers of the consederated states, or so much thereof as may be necessary to enforce and compel an obedience to such acts, or an

observance of such treaties.

to. Refolved, that a federal judiciary be established, to consist of a supreme tribunal; the judges of which to be appointed by the executive, and to hold their offices during good behaviour; to receive punctually, at stated times, a fixed compensation for their services, to be paid out of the federal treasury; in which

no increase or diminution shall be made, fo as to affect the persons actually in office, at the time of such increase or diminution. 'That the judiciary fo established, shall have authority to hear and determine, in the first instance, on all impeachments of federal officers, and by way of appeal in the dernier refort in all cases touching the rights and privileges of ambassadors; in all cases of captures from the enemy; in all cases of piracies and felonies committed on the high feas; in all cases in which foreigners may be interested in the construction of any treaty or treaties. or which may arife on any act or ordinance of congress for the regulation of trade, or the collection of the federal revenue; that none of the judiciary officers shall be capable of receiving or holding any other office or appointment, during the time they remain in office, or for years afterwards.

11. Refolved, that the legislative, executive, and judiciary powers within the several states, ought to be bound by oath to support the articles of union.

12. Refolved, that provision ought to be made for hearing and deciding upon all disputes arising between the united states and an individual state, respecting territory.

13. Resolved, that provision ought to be made for the admission

of new states into the union.

14. Refolved, that it is necessary to define what offences, committed in any state, shall be deemed high treafon against the united states.

15. Refolved, that the rule for naturalization ought to be the same

in every state.

16. Refolved, that a citizen of one state, committing an offence in another state, shall be deemed guilty of the same offence, as if it had been committed by a citizen of the state, in which the offence was committed,

Curfory remarks on the federal conflitution. Ascribed to Hugh Henry Brack-

enridge, efq.

the danger of it.

IT is not my intention to enter largely into a confideration of this plan of government, but to suggest some ideas in addition to, and of the same nature with, those already made, shewing the impersections and

The first thing that strikes a diligent observer, is, the want of precaution with regard to the fex of the president. Is it provided that he shall be of the male gender? The Salii, a tribe of the Burgundians, in the 11th century, excluded females from the fovereignty. Without a fimilar exclusion, what shall we think, if, in process of time, we should come to have an old woman at the head of our affairs? But what fecurity have we that he shall be a zukite man? What would be the national difgrace, if he should be elected from one of the fouthern states, and a wile negro should come to rule over us! Treaties would then be formed with the tribes of Congo and Loango, inflead of the vivilized nations of Europe. But is there any fecurity that he thall be a freeman? Who knows but the electors at a future period, in days of corruption, may pick up a man-fervant, a convict perhaps, and give him the dominion? Is any care taken that he shall be of perfect parts?-Shall we, in affairs of a civil nature, leave a door open to lame men, bastards,

cunuchs, and the devil knows what? A fenate is the next great conftituent part of the government: and yet there is not a word faid with regard to the ancestry of any of them, whether they should be altogether Irish, or only Scots Irish. If any of them have been in the war of the White Boys, the Hearts of Oak, or the like, they may overturn all authority, and make Shilelah the sur

preme law of the land.

The house of representatives is to be so large, that it can never be built. They may begin it, but it can never be sinished. Ten miles square! Babylon itself, unless the suburbs be taken into view, was not of greater extent.

But what avails it, to dwell on thefe things? The want of a bill of rights is the great evil. There was no occasion for a bill of wrongs; for there will be wrongs enough. But oh! a bill of rights! what is the nature of a bill of rights? " It is a fchedule or inventory of those powers which congress do not possess." But if it be clearly afcertained what powers they have, what need of a catalogue of those powers they have not? Ah! there is the mistake. A minister preaching, undertook, first, to shew what was in his text; fecond, what was not in it. When it is specified what powers are given, why not also what powers are not given? A bill of rights is wanting, and all those things which are usually secured under it-

1. The rights of confessione are swept away. The confession of faith, the prayer-book, the manual, and pilgrim's progress are to go. The pfalms of Watts, I am told, are the only thing of the kind that is to have

any quarter all.

The liberty of the press;—that is gone at the first stroke. Not so much as an advertisement for a stray horse, or a runaway negro, can be put in any of the gazettes.

3. The *irial by jury*;—that is knocked in the head: and all that worthy class of men, the lawyers, who live by heranguing and bending

the juries, are demolished.

I would fubmit it to any candid man, if in this confliction there be the least provision for the privilege of shaving the beard? or is there any mode laid down to take the measure of a pair of breeches? Whence is it then, that men of learning seem so ch to approve, while the ignorant against it? The canse is persectly arent, viz. that reason is an erguide, while instinct, which is governing principle of the unght, is certain. Put a pig in a e, carry it half a day's journey ugh woods and by-ways; let ut, and it will run home without ation. Could dr. Franklin do? What reason have we then to sofe that his judgment, or that of shington, could be equal to that ar. Smilie in state affairs?

/ere it not on this principle that the able to account for it, it ht be thought strange, that old ngston, of the Jersies, could be oodwinked, as to give his fancto such a diabolical scheme of nny amongst men—a constitution which may well be called hell.

For if all the devils in Pan-

onium had been employed about ney could not have made a worse. I Mac-Laughlin, a neighbour time, who has been talking with Findley, says, that under this litution all weavers are to be put eath. What have these innocent usacturers done, that they should proscribed?

et other states think what they will, there is one reason why every a sylvanian should execrate this ofition upon mankind. It will e his state most probably the seat overnment, and bring all the offiand cause a great part of the reveto be expended here. This must e the people rich, enable them all their debts, and corrupt their debts, and corrupt their debts, and corrupt their ware and Susquehannah waters, at to be hanged and quartered, would give it countenance.

shall content myself at present these strictures, but shall contithem from time to time as ocn may require.

itthurg, April, 1788.

Address to the minority of the conwention of Pennsylvania. By Tench Coxe, esq.

(Continued from page 245.)
NUMBER 111.

Gentlemen,

N my fomer letters, I endeavoured to point out certain provisions of the new constitution, and several circumstances which must result from the proposed frame of government, and the state constitutions, which might demonstrate, that there is no ground to apprehend a consolidation of the states, which shall join the depending confederacy, into one government.

An observation of the hon. mr. Wilson's, has been adduced, among other arguments, to prove, that defpotifm would follow such a general government. I believe with him, and with you, that fuch would be the confequence of a fingle national conftitution, in which all the objects of fociety and government were so completely provided for, as to place the feveral states in the union on the footing of counties of the empire. But permit me to alk you, gentlemen, will fuch be the condition of the states? Where is the county that can independently train its own militia; appoint its civil and militia officers; establish a peculiar system of penal laws; iffue criminal process in its own name; erect corporations; impose direct taxes, excifes, and duties; hold lands in its own right; commence war on any emergency; regulate descents; prescribe the qualifications of electors; alter its constitution, or the principles of its government; divide itself into separate and independent parts; join itself to another state; issue writs for elections, and regulate the fame; enact inspection laws; erect courts; appoint judges; commission all its office is; create new offices; fell and give away its lands; erect fortifications; and, in short, where is the county in the union, or in theworld, that can exercise in any instance independent legislaive, executive, or judi-

cial powers

Those thee gentlemen, who withheld their names from the act of the sederal convention, could not have apprehended the annihilation of the state governments, while that house was sitting, or they would, under the insuence of such a sear, certainly have pressed for a bill of rights. It appears they did not think one so necessary, as to concert a single motion to obtain it: a conclusive proof, in my mind, that they saw no symptoms of a design to consolidate, in the framers of the plan, and that they had no apprehensions of the kind themselves.

The construction of the senate affords an absolute certainty, that the flates will not lofe their prefent share of feparate powers. No state is to lofe its voice therein, without its own confent. Governor Randolph justly observes, that the force of the constitution of any state can only be lessened by the absolute grant of its own citizens. Whatever therefore, is now possessed, will remain transferred by new grants. state legislatures, too, being the immediate representatives and guardians of their respective constituentsand being the powerful creators of the fenators, it cannot be apprehended, either that they will give away their own powers; or that they will choose men who are unfriendly to them: nor is is at all probable, that a fenator would hazard the displeafure of the people, or the vengeance of fo potent a hody as a state legislature, by facrificing their interests or powers. Rather may it be expected, that his interest and connexons in the flace, will too partially attach him to it, to the injury of national objects; or that he may neglect general concerns from a defire to please a legislature or a peop who will be to him the source of h nours, emolument, and power.

So independent will the state g vernments remain, that their lav may, and, in fome instances, will I feverer than those of the unio Treason against the united states, f instance, cannot be attended wi confiscation and corruption of bloo but by the existing laws of all t states, the unoffending families attainted persons, stript of all h reditary rights, and condemned the bitter portion of extreme pove ty, are left, without their friend as parent, to meet the trials of the world alone-an awful monume of the fovereign and avenging pow of their native state. Let the repr fentative or fenator, who may med tate the annihilation of the gover ment of his state, duly consider th

before it be too late.

You apprehend, the power of co gress to lay direct taxes, will ter to produce consolidation. But t' feveral states possess that power all and by an early, wife, and faith! exercise of it, can always superfethe use of it by congress. For e ample: if ten thousand pounds we apportioned to Pennfylvania, to mal up the interest on our foreign debt by the end of 1788, a tax for white would be laid in July; our legislatu might proceed, in the most easy as expeditious way, to raife the monagainst the time when the federal g vernment must necessarily proceed and by paying our quota into the f deral treasury, would fulfil the r quisitions of the law. A federal g vernment, that shall possess the les degree of policy or virtue, would n ver attempt to interfere with fu honest, wife, and effectual arrang ments of any state. It cannot reasonably feared, that a federal leg lature, chosen by the equal voices all our citizens, the poor as well

he rich, will ever wrest from the ands of the people and states, who espectively appoint them, powers so visely placed, and so honestly applied.

The check of the fenate, on the ppointment of officers, will exceedngly favour the preservation of the tate governments. Let us suppose an expedition on foot, which requires a number of general officers, whom a president might be inclined to appoint from the state to which he belongs, or for which several persons are nominated, that are too partially attached to the federal government, or defirous of leffening the powers of the feparate states. The fenate can reject them all, and independently give their reasons to the people and the legislatures. That they will often do fo, we cannot doubt, when we remember where their private interests, affections, and connexions lie -to whom they will owe their feats -to whom they must look for future favours of the same kind.

The lordship of the soil is one of the most valuable and powerful appendages of sovereignty: this remains in sull perfection with every state. From them must grants flow: to them must be paid the annual acknowledgment, whether it be a mere compliance with form, in the rendering of a pepper corn, or a solid revenue, in the payment of a quitrent. To them, also, as original and rightful proprietaries and lords of the soil, will the estates of extinct fami-

lies revert.

Independent revenues and refources are indubitable proofs of fovereignty. The states will possess many of those which now exist, and which may hereafter be created. Taxes on state offices, sees for grants of lands, and various licences, tolls on rivers, canals, and roads, not being post-roads, rents of public buildings, escheats, the mighty fund of quit-

rents, and fales of lands—these, and many others are (exclusively of congress) within the power of the several states, besides their having access, in common with the federal government, to every source of revenue, but the duties on foreign merchandise and ships.

Impeachments within the feveral states will afford them opportunities of exerting the most dignified and awful powers of sovereignty. The people of every state, by their constitutional representatives, may impeach the public officer, however great or daring, who shall presume to violate their exclusive rights, or offend against the peace and dignity of their commonwealth; and may punish him, on conviction, by fine, imprisonment, or death, without any possible inter-

ference of congress.

But, gentlemen, the subject is inexhaustible. Every section in the federal constitution, as we peruse it, affords new ideas opposed to confolidation. Every moment's reflexion, on the operation and tendency of the proposed government, adds to their number. I will not therefore trespass longer on your time. I will rest the matter on your own good fense and candour, confidently trusting, that the removal of your apprehenfions, on this important point, will render the new conflictation more agreeable to you. Thinking, as you did, confolidation was intended, and would take place, and that it must produce a despotism, you would have been criminal in affenting to the plan proposed: but I will hope, that the confideration of this point, which we have taken together, will remove your fears, and open the door to comfortable hopes, rather than to apprehensions, from the great meafure now waiting the fiat of the people of the united states.

A FREEMAN.

Letter from mr. Lambert, councellor of face and of the council-royal of finance and commerce, comptroller general of the finances of France, to mr. Jefferson, minister plenipotentiary for the united states of America, at the court of Versailles.

Verfailles, Dec. 29, 1787.

HAVE the honour, fir, to fend you a copy of an arret, passed in the community for exceptances.

council, for encouraging the commerce of the united states of America in France. I shall surnish you with a number of others, as soon as they

shall be printed.

You will therein fee, that feveral confiderable favours, not before promifed to the American commerce, have been added to those which the king announced to you, in the letter addressed to you on the 22d of October of the last year.*

If in the mean time any duties have been levied, contrary to the intentions of that letter, they shall be repaid, on fight of the vouchers.

I have also ordered a verification of the facts whereon it was reprefented to you, that the decision of 24th of May, 1786, relative to the commerce of tobacco, had not been fully executed. Be assured, that if it shall appear, that engagements have been evaded, which were taken under the sanction of the king, essectional provision shall be made for their scrupulous sulfilment.

You will learn also with pleasure, that the measures I have taken, to prevent the interruption of the commerce of tobacco, have had full success.

This commodity shall not be excepted from among those to which the right of entrepot is given. The farmers-general shall have no prefer-

NOTE.

* See American Museum, Vol. I. p. 224, of the first edition; and page 200, of the second. ence in the purchases: the propertors shall be perfectly matters their speculations--- and free to e port their tobaccos by sea to foreignountries.

Measures only must be taken prevent those frauds to which thee trepot might serve as a pretext: a the chambers of commerce for t ports shall be consulted, in ord that the precautions necessary this purpose may not be in a for incompatible with that liberty whi commerce ought to enjoy in its or rations.

Although the present stock of t farmers-general amounts to abo three years consumption, I have e gaged that company to continue purchase yearly, from the 1st of J nuary, 1788, to the end of the lease, fourteen thousand hogshea of tobacco, brought directly into tl ports of France, in French or Am rican bottoms; and to shew, at the end of every four months, that the purchases amount to four thousand fix hundred and fixty-fix hog heads.

As to the prices, you have bee fensible yourself of the necessity leaving them free: and this freedo of price was the principal object of the applications of the American an French merchants, when they complained of the contract of mr. Morris.

The determination then taker to force the purchases of tobacce though at high prices, insomuc that the farmers-general now fin themselves possessed of three years provision, shews that the interests of the unitestates of America have ever been precious to the king.

The arret of council herein enclo fed, and theother regulations, which I have the honour of communicating to you, are a further confirmation of a truth tending fo much to engthen the bands, which unite the

o nations.

I have the honour to be, with a ry fincere and inviolable attachent, fir, your most humble and most bedient fervant,

(Signed) LAMBERT.

2 act of the king's council of flate, for the encouragement of the commerce of France with the united flates of America.

December 29, 1787.

cit of state.

THE king, defirous of encouragg the commerce of his subjects with e united states of America, and of cilitating, between the two nations, nnexions reciprocally useful—havg heard the report of sieur Lamt, counsellor of state, and of the yal council of sinance and comerce, comptroller-general of sinance, s majesty being in his council, has dained, and does ordain, as follows:

Whale oils and spermaceti, the prouce of the fisheries of the citizens id inhabitants of the united states f America, which shall be brought to France directly in French vefls, or in those of the united states, iall continue to be subject to a duonly of feven livres ten fols the arrel, of five hundred and twenty ounds weight; and whale-fins shall e subject to a duty of only fix lires thirteen fols four deniers, the intal, with the ten fols per livre, n each of the faid duties; which ten ols per livre shall cease on the last ay of December, one thousand seen hundred and ninety: his majefreferving to himfelf to grant furner favours to the produce of the hale fish eries carried on by the fishrmen of the united states of Ameica, which shall be brought into rance in French vessels, or in those Vol. III. No. IV.

of the united flates, if, on the information which his majefty shall cause to be taken thereon, he shall judge it expedient for the interest of the two nations.

II.

The other fish oils and dry or falted fish, the produce, in like manner, of the sisheries of the citizens and inhabitants of the united states, and brought also directly into France, in their, or in French vessels, shall not pay any other nor greater duties than those to which the oils and fish of the same kind, the produce of the fisheries of Hanseatic towns, or of other the most favoured nations, are or shall be subject, in the same case.

III.

The manufacture of candles and tapers, of spermaceti, shall be permitted in France, as that of other candles and tapers.

IV.

Corn, wheat, rye, rice, peafe, beans, lentils, flax-feed, and other feeds, flour, trees, and shrubs, pot-ash and pearl-ash, skins and fur of beaver, raw hides, furs and peltry, and timber, brought from the united states directly into France, in French vessels, or in those of the united states, shall not be subject but to a duty of one-eighth per cent. on their value.

Veffels, built in the united states, and sold in France, or purchased by Frenchmen, shall be exempt from all duties, on proof that they were built in the united states.

VI.

Turpentine, tar, and pitch, the produce of the united states of America, and brought directly into France, in French vessels, or in those of the united states, shall pay only a duty of two and a half per cent. on their value: and as well the duties mentioned in this, as in the fourth article, shall be exempt from all addition of four per livre.

L

VII.

The exportation of arms of all forts, and of gunpowder, for the united states of America, shall be always permitted in French vessels, or in those of the united states, paying, for the arms, a duty of one eighth per cent. on their value; and gunpowder, in that case, shall be exempt from all duty, on giving a cautionary bond.

VIII.

Papers, of all forts, even paperhangings and coloured papers, parleboard, and books, shall be exempt from all duties, on their embarkation for the united states of America, in French vessels, or in those of the united states, and shall be entitled, in that case, to a restitution of the fabrication duties on paper and pasteboard.

IX.

The admiralty duties, on the vessels of the united states, entering into or going out of the ports of France, shall not be levied but conformably with the edict of the month of June last, in the cases therein provided for, and with the letters patent of the tenth of January, one thousand seven hundred and feventy, for the objects, for which no provision shall have been made by the faid edict: his majesty referring to himself, moreover, to make known his intentions, as to the manner in which the faid duties shall be levied, whether in proportion to the tonnage of the vessels, or otherwise, as also to simplify the faid duties of the admiralty, and to regulate them, as far as shall be possible, on the principle of reciprocity, as foon as the orders shall be completed, which were given by his majesty, according to the twenty-fixth article of the faid edict of the month of June last.

7.

The entrepot (or storing) of all the productions and merchandise of the united states, shall be pern ted for six months in all the perts France, open to the commerce of colonies; and the said entrepot sh be subject only to a duty of or eighth per cent.

XI.

To favour the exportation of arr hardware, jewelry, and bonnetry*, wool and of cotton coarse woolles small drapeties, and store merchand of French fabric; which shall be sto the united states of America French vessels, or in those of the uned states—his majesty referves to his felf to grant encouragements, whi shall be immediately regulated his council according to the natt of each of the said merchandises.

XII.

As to other merchandifes, not me tioned in this act, brought direct into France from the united states, their, or in French vessels, or carrifrom France to the said united state in French vessels, or in those of tunited states—and with respect to commercial conventions what soever his majesty wills and ordains that the citizens of the united states enjin France the same rights, privileg and exemptions, with the subjects his majesty, faving the execution what is provided in the ninth articlere of.

XIII.

His majest grants to the citize and inhabitants of the united state all the advantages which are enjo ed, or which may be hereafter enjo ed, by the most favoured nations, his colonies of America; and mor over, his majesty assures to the sa

NOTE.

* This term includes bonnet flockings, focks, under-waitleoat drawers, gloves, and mittens, as fo by the bonnetiers. izens and inhabitants of the unilifates, all the privileges and adntages, which his own subjects of rance enjoy, or shall enjoy, in Asia, d in the seas leading thereto; proded, always, that their vessels thall the been sitted out and dispatched some port of the united states.

His majefly commands and orders I. le duc de Penthievre, admiral of rance, the intendants and commifmers de parti, in the provinces, the mulfiloners de parti, for the obsertion of the ordinances in the admiralties, the officers of the admiralties, alers of the ports, judges de traites, al ail others, to whom it shall belong, be aiding in the execution of the effent regulation; which shall be gistered in the offices of the sad miralties, read, published, and offed, wherever shall be necessary.

Done in the king's council of

flate, his majeffy present, held at Versailles, the twenty ninth of December, one thousand seven hundred and eighty-seven. Igned,) Le Cte. de la LUZERNE.

aw case, tried and determined, at a fupreme court of law and equity, for the district of Newbern, North Carolina, on the 30th of November, 1787.

N the course of term came on among other matters, a cause in extment which had been of long and uncommon expectation, between Villiam Bayard, and Elizabeth, his rife, against Spyers Singleton, for the recovery of a valuable house and of, with a wharf, and other appuranances, situate in Newbern—both the plaintist and defendant admitted the title of the premises to have been a Samuel Cornell, esq. at and before the time when the independence of the first pendence of the first pendence.

The case appeared to be this—mr. Cornell, once an inhabitant of Newbern, leaving his family, together with the premises in question, and a variety of property therein, took shipping on the 19th of August 1775, and went to Great Britain, where he continued till some time in the latter part of the year 1777, when he came to New York, then occupied by a British garrison; and, as a British subject, went from thence and arrived in Newbern on the 11th of December, 1777, under the protection of a British slag.

His principal defign in going to that flate, at that time, was to take his wife and family with him, to refide under the British government, if he did not find our new government agreeable to his wishes. Not being pleased with the appearance of things, there, and thereupon preparing to leave the state, and to carry with him his wife and family, he executed, on board the vessel he came in, a deed to his daughter, one of the plaintists (under which they claim) for the premises in question, on the

10th of December, 1777. This deed, for the purpole of execution, had been handed to him without a date, and being asked what date he chose it should bear, he hesitated, and faid he would look at the copy of a bill which was then in his porfession, which bill he understood to be on its passage in the legislature, for confifcating the property of all persons of his description, who should not, within alimited time, come into the flate, and be made citizens there-" of, which bill afterwards, in the fame fession, passed into a law. After looking at the aforesaid copy of that bill, he chose that the deed should bear date on the 11th of the fame month, being the day he arrived in the harhour of Newbern; which deed was accordingly dated that day. After which mr. Cornell retired with his

family from the state; and from thenceforth, lived and died a British subject, under the British government.

Upon an iffue of not guilty, under the common rule, the jury, confiftent with the charge of the court, wherein all the judges gave their opinions, feriatin, but unanimously, found the defendant not guilty of the trespass and ejectment fet forth in the plaintiffs' declaration.

This case was argued on both sides of the question, by counsel of the first eminence. And the cause chiefly turned on the point of alienage in For having, from his mr. Cornell. birth to the time of his death, been always a British subject, and having always lived under the British government, he owed allegiance to the king of Great Britain, and confequently, was never a citizen of that, or any other of the united states, nor owed allegiance thereto. For when there, at the time of the transaction aforementioned, he was under the protection of a British flag. he was, therefore, in contemplation of law, as much an alien, and at the time of executing the deed, and from the time of our independence, as much an alien enemy, as if we had been an independent nation, for any number of years or ages, before the commencement of the war which was then carried on.

That it is the policy of all nations and states, that the lands within their government, should not be held by foreigners. And therefore it is a general maxim, that the allegiance of a person who holds land, ought to be as permanent to the government under which he holds it, as the tenure of the soil itself. That therefore bythe civil, as well as by the common law of England, aliens are incapacitated to hold lands. For that purpose, the civil law has made contracts with aliens, void. The law of England, which we have adopted, al-

lows them to purchase, but subject them to forfeiture immediately; andoes not allow an alien enemy as political rights at all.

That the premises in questic upon these invariable principles law, could not, from the time o government commenced, have be held by mr. Cornell: because th in consequence of his owing no ; legiance to the state, he had no cap city to hold them; and according the letter of the law of the lan they must have consequently be forfeited to the fovereignty of t state. That the act of confiscation in which mr. Cornell was express named-and, more particularly, t act which espescially directed the sa of the very premises in question—in have been at least as effectual in ve ing them in the state, as any offic found according to the practice England, can be for vefting any fc feited property in the king.

That the circumstances and limicd privileges of persons, who were second of the state under a particulact of the general assembly, are napplicable to this case. That the case in Vattel, of the majority of the inhabitants of any country deliberately dissolving their old government, and setting up a new one, neither in reason, nor in the moessential circumstances, any way similar to this case. That Calvin's case reported in Coke, does by no mean reach the leading and characterist circumstances of this case.

The defendant held under a tit derived from the state, by a deed fro a superintendant commissioner of consistency of the decision of this cause, in savour of the desendant he remaining twenty-seven cause depending in the same court, are subsisting upon similar, or less substantial grounds, were all swept of the docket, by nonsuits voluntarial suffered.

bint to the farmers of Pennsylvania.

THE use of plaister of Paris is becoming very general in this te, as a manure for meadow ground, I for worn-out lands of all kinds; t unless some care is taken in the nagement of the lands afterwards, which this powder is sprinkled, will do more harm than good. In rmany, where it was first used as nanure, it is a common faying, that it makes rich children but poor ind children;" owing to the exof the earth of its fertility, the plentiful crops it procures, in ew years. 'To understand the meang of this remark, I shall observe, it plaister of Paris, lime, and marle, only as medicines or cordials upon id. They give it a temporary ivity, which is always followed th weakness and barrenness afterirds, unless it be prevented by large antities of dung or stable manure, nich is the only proper food of the To obviate the inconveniens of theuse of the above mentioned rdials, it is abfolutely necessary give back to the earth, in dung, I that is taken from it in grass or ain. The greater the crops pro-iced by the plaister of Paris, the eater quantity of stable manure ould be fpread upon the land hich produces them. If land, at has been recovered by the use plauster of Paris, is treated in this ay, its fertility will last to the end f time.

On the use of drift-sand as manure.

Mr. Printer,

HAVE a meadow and part of a common field, lying near a brook lat is often flooded; the bottom of he brook is a sharp gravel and fand, hich, in a crooked course, are often from up so as to impede the cur-

rent. I always had observed, that floods, fo far from benefiting my meadow, were rather prejudicial, contrary to what is known and observed of fomerivers, where the overflowings enrich and make the grass better and more in quantity. It being necessary to clear the brook, and great quantities of stuff being brought to land. I was induced to try what effect it would have, laid on my meadow, and my arable land, being then young grass, after white oats: accordingly, it was thrown first out as much as possible, near the banks of the brook, and, after lying a day or two to drain off the wet, it was carted both on the meadow and the clover. It acted on my clover in an extraordinary manner, producing a greater crop than I had ever had before; nor did it lose its effect on the wheat, which followed the clover, having nearly two facks more on an acre than I ever had before. On my meadow it acted better the fecond year than the first; and this year was considerably benefitted by it. Thus I removed a troublesome nuisance; and in the room of it, procured a confiderable advantage to my farm. I need not tell you, I shall constantly pursue the fame plan, whenever the ftream shall drive me down sufficient manure, as I now call it, for my purpofe.

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On the use of pulverised bones as manure.

HAVE been exceedingly entertained with the refult of an experiment I inflituted last spring, whilst I directed my attention to the subject of manures. As I was one day walking in the field, I saw the bones of a cow that had died with a distemper, and which had acquired, by long exposure to the air and rain, a degree of whiteness, and had lost their original firmness—I ignorantly imagin-

ed, from their colour, that they might, by calcination, or burning, be reduced to lime. As it was winter time, and I had but little to do, I had them all hauled up to my house, where I made a large fire, and put the bones into it: they remained there red hot nearly threehours; they were now very white and easy pulverable, but had scarce any of the properties of lime. However, that I might not have all my labour in vain, I reduced as many of them to powder as would fill a half-peck, refolving to try their efficacy as manute-1 neafured off three equal parcels of ground; on the first I sowed a mixture of grassfeed and the powdered bones (in the proportion of one bushel and an half to an acre;) on the fecond, I fowed the same with an equal mixture of plaister of Paris, and the bones, in the fame proportion: and on the third only varied the experiment, by uting a little of the plaitler of Paris, without addition; all the rest of the mandow was fown with the fame feed, wethout any manure. After it had grown on all three to fuch height, as to make any difference discoverable, I took two farmers, who had long been used to mow good grass, to view my patches; they thought that there was a manifest difference between the middle patch and the two othershaving, as they faid, produced far the best grass: for my part, I consess I could not decifively conclude upon the superiority of either; but I have fcarce any doubt, but that powdered bones, at least when mixed with plaister of Paris, would be found an excellent manure for meadow-and I fancy much cheaper than plaister of Paris. Before it can come into generalufe, it will require that its virtues be confirmed by future experiments, and on a larger scale; I therefore would be pleased that you -would endeavour, to inform fuch of -your friends of this -experiment, as

are fond of agricultural enquiries have been told by a gentleman la from Europe, that the earth of be is not looked upon now to be of nature of lime-stones, but that it r ly has a greater refemblance to p ster of Paris, than was before a gined: to understand the proof of he faid, required a knowledge of emistry; but, as I have never stucthat science, I did not request it him.

Method of preventing the destruction apple-trees by canker werms.

HE infects, from which A. canker worms are producare hid in the ground, near the roo the tree, not far from the furfi and make their appearance as foor the fnow is off, and the top of ground foft, (which fometimes h pens as early as February). males have wings, and frequently directly to the limb, without tou ing the body of the tree; fortun: ly, the females have none, but a: very claimly bug, and very caflopped by tarring the tree. this with fuccess, it is very necessar that the tar made use of, be of a p per confishence; if it be very this it will be impossible to lay it on wi out first heating it; which makes form a hard furface when cold. t fuffers the bug to pass over with difficulty. Some endeavour to redy this inconvenience, by mix train-oil with the tar; but the t kind of tar, without oil, is far p ferable: if this be exposed to fun through the day, it will be f ficiently fost to be laid on with brush. 'Tis best, the rough be should be first scrayed off with hoe, or fome other convenient infl ment, and the tar put round the ti about four inches wide; this ope tion must be repeated every di

en the state of the ground will mit them to move, till they have ne going up. It is not common t the weather permits them to ffir the middle, and often, not till latter end, of March: when that he case, and the weather continues m, they will all be out of the und in about fourteen days; but they are commonly interrupted h fnow or cold, it will generally necessary to tar as many as twenimes, and fometimes more. The e that is generally chosen to be-, is about two hours before fun-(which is the time the infects beto move) and if not finished till hour after the fun is down (after first time) it is immaterial, for tar that is already on the tree, ened by the warmth of the fun, I be sufficient to stop them till that e. I am sensible there have been eral objections to this method of ing, viz. that it is attended with able and expense; that it injures tree, and, after all, that it is in-Etual. As to the expense, a barof tar is fufficient for an orchard t will make an hundred barrels of er; and four persons, in two hours, I be able to tar the whole once; wing this to be repeated twenty es, the expense cannot be great: l experience has fusiciently proved t it does not injure the tree—I ow of feveral orchards that have n tarred (as often as the worms ted them) for twenty years, and ild never perceive any injury done m; on the contrary, I know of ie others in the same neighbourd, that have not been tarred, enly destroyed by the worms. If tree be thrifty, it will be neces-, fome time in the fummer folring, to scrape off the tar, or make ew incisions through it, to prevent bark from being confined. That ias ever proved ineffectual, I bee no one can produce an instance. where proper fleps have been taken; but where it has failed, it has been owing to improper management or want of perfeverance.

Portsmouth, February, 1788.

On the preparation and advantage of fumach berries.

I T has long fince been the practice among the natives of this continent, to substitute the sumach berry for tobacco, and the fecret was lately transmitted into Europe; in confequence of which it has become fo univerfally effeemed by people of fafhion and fortune, that very large fums have recently been offered to gentlemen of mercantile professions, for this valuable, much admired, and common production of nature. I am told by country farmers, who know its utility only as a dye, that it may be collected by the peafants and poor people for one guinea per barrel; if fo, furely it would be a staple commodity, and one very much to be encouraged, as a remittance to different parts of Europe, when it is afferted from unimpeached authority to command a fum equivalent to five pounds, twelve shillings, this currency. As a farther encomium on the fumach, I can affure you, that the greatest connoisseurs in this, and many other respectable and populous towns in this state, give it the preference to the best manufactured Virginia tobacco; moreover, they publicly declare, that fince they have smoaked this ordinary berry, the fume of tobacco has become obnoxious to them in the highest degree. The easiest and indeed the only method to be purfued in preparing the fumach, to a state proper for smoking, is, to procure it in the month of November, expose it some time to the open air, spread very thin on

canvas, subsequent to which, dry it in an oven, one third heated; after you have completed the progress of cure thus far, spread it again on canvas, as before; there let it remain twenty-two hours, when it will be perfectly fit for use, and consequently in a state proper for exportation. Whoever will put this into execution, after its having arrived to a proper degree of maturity, and undergone the requisite process, will find it perfectly answer all the qualifications of the above-mentioned plant, fo much in repute with gentlemen fond of amusing themselves with a pipe. All the other purposes intended to be answered by tobacco, are to enliven the spirits, and cause a copious evacuation of that juice, denominated, by medical gentlemen, faliva; all thefe ends are fully answered by the fumach; it will upon the first essay prove itself capable of producing the defired effect.

A native of America.

P. S. The fumach has been discovered to be possessed of very powerful antiseptic properties. Medical gentlemen of the first observation, have afferted and proved it manifestly a strong resister of putrefaction; it is frequently employed as a gargle in that species of cynhanche, denominated maligna, or putrid ulcerated fore throat, and with very salutary consequences.

New York, 1788.

Meditations on a tea-pot.

I T' certainly may be excused, if men are sometimes visonary (the wifest and best being often so) and carry their speculations beyond the bounds of reality; and fanciful people, by right reason, can never be convinced of their mistakes. Pray, reader, be serious while I set down one of my reveries.

What is the world, faid I to I felf, but a large china ware-hou And what is man, who makes useful a part of it, but a china i pot? St. Paul fays, man is of earth, earthly; divines call him tenement of clay; philosophers: physicians affert that the stamina the human body are mere ear chymists find, by an analysis, t white earth is all that remains of at the bottom of the crucible; preacher, in his elegant sketch anatomy and of our diffolution, presses it, the pitcher (or water-poi broken at the fountain. But to r ceed.

In this said warehouse we see thir of the fame materials and comp tion, though differently modif These are ranged only in differ orders; each in its own, fome higher and fome in more inferior tions, some of finer clay, and of m gaudy out fides, some made to hon and some to dishonour. But al all are alike, as to colour and m of parts within; and both high low are subject to the same disaft though not equally; the high be more out of reach; but those t are higher are liable to greater for and to be broken into finaller fr ments; all alike must be mended the fame ways and means, if men at all; and when not to be mend must meet with one common fate. fwept among the mass of thir and forgotten.

As to man, the tea-pot, the epit of this warehouse, who makes to speciable a figure in it, was he formed out of clay, like his brothe. Was he not originally manufacturin the Asiatic country? Is he equally brittle in his texture, as ely broken, and, when broken, dhe not as readily return to, and i with earth, his first principle? A this analogy has been very happand justly considered by one of

At celebrated poets w ho fays, or her fings,

Here living teapots stand—one arm

" held out-

One bent: the handle this, and " that the spout."

A walking tripod is mentioned by omer, and two speaking pots by

Does not a teapot, as well as man, emblance, contain the four elements, and water, earth and fire? Is it not, well as man, devoted mostly to the vice of women, who, after those nciples are exhausted, pay as little ard to either as to a potter's common then vessel? Has it not been obred, that foreigners have been often re courted and had higher places aned them, than our own natives? d is not every teapot, of external ellence, from the Indies, placed in most conspicuous place, and more zed than any of our home commoies, though equally strong, useful, I handsome? What is a nabob, but rge rich china jar, or, if you please, apot, finely ornamented, though only for show in the dressing room a lady? Is not his exotic dress, the outside figures of an India Tel, both alluring and engaging? nat is a citizen, but a teapot of ater magnitude, ready to receive. as ready to pour out what he eives? What is a tradefman, but apot of coarfer ware-and fit only common use, who, when cracked, reated with carelessness, and when ten (no uncommon incident to a llefman) is counted as dirt, and figned to oblivion, among the iments of plebeian earthen ware? t not a fine lady a vessel of penciled a? Is not her reputation as frail? 1 you folder up the flaws either of one or the other so completely as to be pried into, and commented ? If white lead repair the blehes of a lady's face, does it not repair the cracks and defects of ol. III. No. IV.

china? And are not both liable to a failure in the same places, where

they were mended before?

If then mortal man be a teapot, in this world of china ware, would it not be a laudable custom, to try sufficiently the ware we want, to be sharp fighted with regard to defects, before we buy-and wink wilfully at, or be blind to defects, after the ware is called our own-fuit as we ring-and examine suspected vessels before we purchase them—and pretend not to see afterwards those parts that are cloud-. ed with impurities? And might not this practice prevent that loathing and dislike we shew to living vessels, which for some time have ornamented our houses, and made a considerable, at least a showy part of our furniture, and not treat those faid living velfels as we do a piece of vulgar china ware, fuffering them to be foiled with dirt, and placed fo low as to be infulted by every common broom?

No wonder, gentle reader, after those sublime meditations, that I fhould fancy myfelf A TEA-POT.

An oration in praise of ignorance. Delivered at the commencement in the university of Pennsylvania, July 4. 1781; being the anniversary of the declaration of independence.

T is an observation made by wisdom, and it is also the declaration of experience, that" he who increaseth knowledge, increafeth forrow:" and yet so far are mankind from paying any attention to it, that we find there are schools, academies, colleges. universities (and a Dutch divine, in a neighbouring state, has lately added a gymnasium to the list) erected for the purpose of increasing knowledge; as if our forrows could not be sufficiently numerous, without the affiftance of art. My intention is to destroy, if possible, these pests of society, and to point out the advantages which flow

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from ignorance.—Ignorance! thou halm of life, and forrow-foothing power! parent of hope, and enemy of care! on thee I call for infpiration, and invoke thine aid while I celebrate thy praife—difplay thy power, and attempt to prove, that all other fources of felicity are fleeting and fallacious.

Knowledge appears to have originated from envy, and that envy to have been feated in the devil's breast. "Ye shall be as gods, knowing good and evil," was his artful infinuation to deprive our first parents of their happiness. Deceived by him, they ate "Of that forbidden tree, whose mor-

tal tafte

"Brought fin into the world, and all our woes."

While Adam was ignorant, he was a gentleman: but knowledge reduced him to the necessity of labouring hard for a subfistence, and even paradife loft all its charms. The beauteous mother of mankind, who, in ignorance, was happy in the smiles of her husband, and had no care but to regale herself with the sweets of Eden, as foon as information entered her brealt, became a disconsolate sempstress in the midst of the wilderness. She was ashamed of her knowledge; and the bluthed. She was mortified by its confequences; and her tongue learned the language of infincerity, that it might deny the feelings of her heart. This was the origin of knowledge; and these were some of the first attendants upon improvement in feience! How much happier had been our lot, had our first parents obeyed the dictates of nature, and remained in ignorance! I say obeyed the distates of nature; for the clearly teaches us to feek for happiness in ignorance alone. Need I produce a proof of this? Observe your children: are they born scholars? no; nor do they with to be such. See, with what sportive mirth they play around the par-

lour while indulged in ignoranbut the moment you attempt to te: them, their countenances change their fwelling bosoms heave a drea ful figh—and the tears which triel down their cheeks, tell you the f rows of their hearts. How does holiday enliven their spirits, a what raptures do they discover, the stant their pedagogue dismisses their -Never did town-meeting refou with louder acclamations, on paffi resolutions for the regulation of co merce, than the street does upon the release from the school room. these young minds, there is no d guife: these children act themselve and the plain language of their co duct is, that learning is repugnant nature, and that we destroy their he piness, by adding to their knowleds Mamma too will help to vindicate t truth of our affertion; for althou the feels not the force of the imprefion, yet she knows its operation. the child. If master misbehave, s threatens him with being fent fchool: if he will not go to fleep, m Birch, the tutor, is to be fent fc What is this, but acknowledging th both the institution and the instru tor are enemies to our happiness?

Thus, most respectable audiency ou fee that nature speaks the same language both in young and old and that in vain dowe seek for confort, while science is cultivated a

mong us.

The history of the church will fur nish another proof that knowledg is prejudicial. What sweet tranquility did she enjoy in the days of ig norance!—how lovingly did chrittians go to heaven together! but nisoner had those incendiaries, Luthe and Calvin, inspired the vulgar with a thirst for information, than fire sword, and persecution raged with relentless fury, and swept off millions of mankind. Such bitterness of spirit immediately took place, as made

ich party fix the fate of its oppors, and doom them to perdition: or could the father of the church at an end to the miseries of his bewed children, though he was armed ith all the terrors of an inquisitia. The translation of the scriptures ito a known language baffled all is attempts to restore their former norance, and produced fuch an idless variety of sects and opinions, : have ever fince disturbed the peace f fociety.

Our passions furnish a striking hint I favour of ignorance; for why tould they so strongly impel us to iffipation, if knowledge, to which it an avowed enemy, were of any use? not their language the fame with iat of Solomon (who knew a great cal, for the day in which he lived) in much wildom is much grief; and he, that increaseth knowledge,

increaseth forrow?"

And what, after all, is this mighty ting, called knowledge, to attain hich we must throw away several f the best years of our lives, and ndanger our constitutions, by expong ourselves to the inclemency of very feafon? Why, forfooth, the rt of using uncommon words, to xcite the admiration, and perplex he understandings of common peole, without conveying one uncomoon idea. What advantage can be lerived from physicians using the vords mastication and deglutition inlead of chewing and fwallowing; or the lawyer's covering, with the erms replication, rejoinder, demurer (and others equally infignificant) he arts by which he conjures your noney into his own pocket? Indeed, must confess, I have heard of one nstance, in which the use of what he vulgar call a hard word has been of fervice: -- A divine once mentioned metaphysics in his fermon, and a voman in the congregation was very tappy upon hearing it; for the fupposed him to mean, that the gospe was good for both meat and physic: but for the consolation this afforded, fhe was more indebted to her igno-

rance, than to any thing elfe.

Of all kinds of learning, philosophy conceals the best fund of stupidity under a shew of very great knowledge. What does the profeffor of this science mean by his hydrostatics, pneumatics, optics, astronomy, &c.? Why, truly, to inform you that water will not run up-hill -that the wind blows fometimes one way, and fometimes anotherand that there are stars in the firmament, whose distance and size he

knows nothing about.

It will be worth while to attend a little to the pursuits of philosophers. See the great fir Isaac Newton, gravely fitting over a tub of water, with a pipe in his mouth, blowing air-bubbles; and at other times dropping pebbles from the top of St. Paul's steeple, both which a boy of twelve years old could have done full as well as he: but this is philosophy. I have heard of his being fo bufily engaged in thinking of some philosophical tricks, that he made use of a lady's finger instead of a tobacco stopper: and yet this same fir Isaac, (with all his nonfense and inattention to politeness) is said to have been a good scholar and a great philosopher. Follow the virtuolo; fee what a dance a butterfly can lead him; and with what care he faves a moth, which all the world besides himself would wish should be destroved: he is a philosopher. There's another .- A man who thinks of nothing under heaven but antiquity:he has a large estate in ancient coins, and yet can hardly find money enough to go to market :- he would give an hundred guineas (if he had them) for the male tick, which was preferred in Noah's ark, and thrice that fun for an authentic copy of the deed by which St. Peter conveyed the lands of infidels and heretics to the pope. Such are the fons of fcience!—Blessed ignorance! thy votaries know no such follies—no such toils as these.

Men of education are constantly haranguing on the advantages of learning; and in many parts of the world, have had much fuccefs: but it must give infinite satisfaction to every lover of his country, to fee that the good fense of America will baffle their attempts amongst us. Here no man meets with respect on account of his knowledge; and the teachers of the sciences (those of dancing hairdreffing, and millinery excepted) are held in the utmost contempt, and ranked with the lowest of the people. Should our present fondness for ignorance continue, America may become the Elyfium of the world. To encourage us in this expectation, let us briefly review fome of the advantages we have already derived from it.

All the skill of British sinanciers has only served to saddle their nation with a debt of two hundred millions of pounds sterling; while America, ignorant of the subject, has reduced a debt of two hundred millions of Spanish milled dollars to less than five.

Again: while we remained ignorant of the true nature of a circulating medium of trade, our legislators could stamp what value they thought proper, upon a scrap of paper:—it became a penny, a Spanish milled dollar, a pound, a half johannes of Portugal,—or any thing else at their pleasure: but the moment we were informed of its intrinsic worth, the imaginary value vanished, and the rag dwindled into its original infignishance.

Here we have the most incontessible evidence, that ignorance exceeds knowledge at least in the ratio of one hundred and seventy-sive to one.

Many other inflances of the benefits we have received from ignorance might be enumerated; but the fhall fusfice, that I may not imposupon that patience to which I am in debted for so indulgent an attention

Upon the whole, whether we forn our judgments from the declaration of the wifelt of men. from the dic tates of nature, or from our own experience, we may conclude, that ig norance is preferable to knowledge and should any man be so unfor tunate as to possess the latter, it will be a mark of prudence in him (a Solomon judiciously suggests) to conceal it.

Since then all knowledge is at bef but vain-

Since it not lessens, but increase pain—

It is most evident, we may conclude That in sheer ignorance consists al good;

That to be happy, we need know no more

Than (nor fo much as) two and two make four: And therefore, as they care for

nought that paffes,
The happiest creatures in the world

are affes.

To the printer of the American Museum, SIR,

If you think the following deferves a place in your publication, please to insert it. It is one of several pieces, similar in complexion, which were written, chiefly, in the course of the late war, as moments of leifure occurred to the author. They were intended for his private amusement only-not wantonly to sport with the feelings of others, but to habituate his mind to the abhorrence of vice, and the contemplation of virtue. Whatever feverity, then may appear in the composition, it must be remembered, that the vices and follies he paints,

are copied from real life, and inended as shades to raise virtue on he foreground of the imagination. Most of the facts introduced, are oo generally known, not to be emembered. Some of the characers he drew, have fince lost their. originals; of which number, is the following. But their vices furrive-in the memory at least: Them he attacks, to root out the Dane of example, and to guard us against the choice of improper men. As it is fometimes necessary to diffect the dead, for the benefit of the living, the writer hopes for he indulgence of the candid, notwithstanding the adage, " de tuis nil nisi bonum."

Philadelphia, March 31, 1788.

Advice to the inhabitants of the united fates.

"A satire's smile is sharper than its frown."

S the growth and disposal of offices, will, probably, be among the fruits of the present revolution, a few words of advice how to court and merit them are the object of the following lines. To such of you as shall aspire to the favours of the country in which you live, they are humbly offered as the result of reflexion drawn from experience.

The old-fashioned mistake, that merit is the criterion for public favours, is here exploded. Let no man, therefore, be he native or foreigner, who looks for preferment, confide in an axiom fo delufory, and which, like the ignis fatuus, can only dazzle to mislead. The dictates of the conscience are too state and arbitrary to be relished by a new and independent nation. As to gratitude, it ought never to be mentioned, but to fill up a vacuum in converfation; and then you must be sure to heed it, as the excrescence of a principle unfriendly to liberty. The ends of unlimited freedom are only to be obtained, by following impulses that are voluntary: all others are fetters on the will and dignity of a free people.

Are you a foreigner, and have you been arraigned at the bar of justice abroad*?--despair not: you have come to a country tenderly disposed towards the frailties of your nature: bumanum est errare: any faux pas you may have committed there, will render you not the less worthy here. It will rather serve as a foil, to set off your brilliant qualities. Burnish them with a sprinkling of modern patriotism, and you may count upon greatness and fortune—if not fame. Should prudence guide your choice of local fituation (and here is a capacious field for the exercise of discernment) particular traits of character may recommend you to the virtuous fuffrages of the place, and perch you on the pinnacle of state-power. A feat on the federal floor may next reward your just expectations, and post you in the road to wealth. Consequence, I am prefuming, you have already acquired: but wealth, you know, is the crowning prize, for which every good republican ought to contend. Should, however, your address there happen to miscary (a thing not impossible, where other claimants are to be gratified) take courage! a liberal state will not fail to blunt the poignancy of difappointment by an increased attention to your deferts at home.

As there are scoundress in all countries,—perhaps, on your return, some pert busy fellow, pretending to know more of you than he ought, may dare to talk to you of a cordon or sneeringly utter in your ears, the escapes

/ NOTES.

* The printer has taken the liberty of omitting the name of a deceased character, whom the author here has in view. + A halter. they have had; but do not be difmayed; he only envies your good fortune. A fmart repartee, though it may not discomsit your enemy, will carry you through with eclatfuch as, 'a miss is as good as a mile,' or the like. This will entitle you to the laugh-and " let him laugh that wins," you know. Besides, you are not to be told, what every pettifogger knows, that " peffession is equal to eleven points in law;"-you need not, therefore, be over-ferupulous as to the simple tenure of your ears: if you do not hold them de jure, they are yours, nevertheless, de facto; and you can give the special matter in evidence.

I will suppose you once more in the chair of government: observe, then, that occasional inebriation, especially if prudently administered in the morning, gives a flow to the animal fpirits, and quickens the digeftion of fancy: it curbs the difagreeables intruded from the pillow, and will add a dash of spirit and brilliaucy to your actions during the day. It is a precaution which, fo far from impairing your pretentions with a difcerning public, must render them more confpicuous, and enhance their value. If your person be maimed (no matter how) and entitled to a crutch, you may, now and then, brandish the latter, and exercise it to advantage, over the heads of your council*. It will exhibit a firiking proof of the weight of your understanding, in civil affairs, and establish your reputation for discipline, as commander in chief.

There is hardly any circumstance, however small in itself, that an inventive genius may not turn to account; and who knows what honours you may reap from the free exercise of yours, should fate kindly spare

your valuable life!

The dignity of the state over which

NOTE. * This happened at Augusta. you preside, will require a table so those who may deserve the honour c your card. You will there enjoy pri vileges of indefinite extent, con troulable only by good manners—o which, ex officio, you must be th judge. Should the present state o warfare throw in your way a captiv officer, his fituation will doubtlet command your generous attention and procure him admission to you hospitable board. The glass will ne cessarily circulate after dinner, warn the heart, and give a liberal turn to the conversation. If your captive guest be an Irishman, he will be ap to pique himfelf upon having you fo his countryman: but cut his pre fumption short, by an immediate recurrence to your respective situa tions—he a prisoner, and perhaps, a Subaltern officer; you a governor a large, and commander in chief!-II would be a further proof of your confequence and good breeding, if you were to blackguard the British king, and all his adherents-pointing your fpeech with fome fuch acclamation as, " I heartily renounce Ireland for ever." Perhaps he may give you the retort courteous, as for instance, " in the name of all Ireland, by Jasus, I humbly tank you:"-but you can eafily filence fuch impertinence, by ordering a constable to lay the of-fender by the heels. Should he be fo rude after this as to return your politeness and hospitality with a challenge, you can parry his thrust, without coming to points: retire behind your rank; tell the rapfcallion to fend you his king to receive fatisfaction; for that your dignity would be infulted, by entering the lists with a subject. This will confound your antagonist, and leave you in the quiet possession of a whole skin.

NOTE.

A cant term, well known in drinking.

POEMS: by the late dr. LADD.

To Amande, with Emma Corbet.

MANDA, view the foft, pathetic lines, Where tender love and glowing genius shines; Where Emma weeps; where hapless Henry draws, The heart-felt tear, in love and virtue's cause.

Yes, Emma weeps; behold her forrow rise; View the dear dew-drops trembling in her eyes. See, round her Henry's corpse the mourner moves, She dies—the martyr of unhappy loves.

So the poor turtle, defolate and lone, Breathes to the winds his melancholy moan; Mourns his lost love, with many a plaintive coo, And fighs his foul out with the fond adicu.

Amanda, fay—by fuch fad scenes impress'd, What gloom pervades the forrow-teeming breast! How weeps the soul! what sighs the bosom swell! Speak, angel-softness, for thou best canst tell.

Here oft thy Arouet's manly bosom glows, And the fost tear all sympathetic flows: Full oft for Emma, lovely maid, distress'd, His tender heart-strings vibrate in his breast: For Henry, oft the bursting sighs give place, And the soul melts on his impassion'd face.

But while, embosom'd in this vale of tears, Increasing woe on ev'ry side appears; If right the bard, Amanda, can divine, Fair kappiness shall be for ever thine.

Th' indulgent care of providence shall bless Thy lovely mind, and ward off keen distress. Joy shall beam on thee with her sun-shine rays, And peace eternal gild thy happy days.

Sonnet: Humbly inscribed to the nainds of Ashley river.

Tune—" Maid of the mill."

AIL, fweet Ashly river, whose serpentine flow Gives health, and gives pleasure around. I hail thee, sweet river, for well I do know The charms on thy banks that are found.

The lovely fair op'ning, that breaks on the fight, The prospects, by nothing confin'd, Have fill'd my whole foul with ideas of delight— Have fir'd and enraptur'd my mind.

Elegy.

Then O, when the fun-beams reflect from thy stream,
In thy neighbourhood may I remain!
I'll fing of my absent AMANDA's esteem:
And thou shalt re-murmur the strain.

Should any, inquisitive, ask whence belong,
The soft flowing sounds they have heard;
O tell them, sweet river, 'tis Arourt's song;
The plaintive, the forrowful bard.

Elegy.—Sacred to the manes of Philander. Written on a rainy tempestuous morning.

O! clouds on clouds, obsequious to the blast, With spreading gloom the face of heav'n o'ereast, Down pours the rain and thirsty earth receives. The humid burden—pattering from the eaves, Whilst her dark wing, black Melancholy spreads. O'er ev'ry joy, and wraps the mind in shades.

Come, heav'n born muse, for tragic sweetness known, Where high thou shadow'st thy coerulian throne; In this dark hour to lend thy vot'ry aid, From brighter realms—descend, celestial maid. Since none like thee, among the tuneful nine, Can melt the foul in fympathy divine: Since none like thee, beyond the grave can give The poet's or the patriot's name to live. Lo, rais'd by thee, the mounting bard would foar, Beyond all view-fublime in tragic lore: O come! the great immortal thought inspire, That ev'ry line may glow with native fire. Then whilft I fing, for ever facred be The lays, -PHILANDER, for I fing of thee, Thee with dire frowns the ruthless fates beheld, When o'er thy bark the bellying canvas swell'd; Confign'd by them, BRITANNIA's sons enflave Those freeborn youths who press th' Atlantic wave.

- "Oh could I fall," th' undaunted brave might fay:
- "In arms of conquest and the face of day:"
 "Could I expire," the peaceful swain might cry,
- "My friends around me, all my kindred by;
- "Then would grim death his friendly aspect wear,
- " Nor all his terrors shake my foul with fear."

But ah! Philander no fuch bleffing knew; No weeping kindred took their last adicu: All unbemoan'd th' aerial spirit sies, And swift revisits its paternal skies.

When the tall oak, amidit tempestuous gloom, From heav'n's own thunder shades the lowly broom, If o'er its head the livid lightnings burst, Rive the big trunk, and level it with dust—Each shrub laments the fall—and, full in view, A mournful chasm—tells them where it grew:—So fell *Philander*: and where once he stood, We long shall mourn the generous and the good.

Ye fons of Pean, by your parent led, Weep round his grave, and mourn your brother dead. Like you, he once approach'd, with fweet relief, The house of sickness, the abode of grief, With gen'rous ardour, striving to impart The heav'nly blessings of the healing art.

With no rash tread, ye passers by, presume
To print the ashes on Philander's tomb:
But, ever facred, may the lone retreat
Be folitude's supremely-awful seat:
Round all the place, may mournful cypress grow,
And death's dread angel keep his charge below.

agment of an epifile to a friend, who had defired the author to write some acrostics.

MUST still such themes the poet's verse profane Will still the shade of Addison refrain? Ah! no-before my fight the spectre stands, And waves my sentence in his deathless hands; O much lov'd friend, my valu'd Hill, no more For fuch low themes th' unready bard implore: Direct the muse to some far nobler view, Some heaven-born theme, fome subject worthy you: Then would the bard with far fublimer fire, Raife the bold fong, while heav'n and you inspire. If, foaring high, in epic verse he sings The fate of empires, and the fall of kings; How great Achilles, furious to destroy, Withstood the force of heaven-defended Troy; 'Till o'er her turrets wav'd th' aspiring flame, And left all Illium nothing but a name; Or, Maro like, on Pegasean wings, In friendship's cause, attune the trembling strings! How Nifus lov'd-how Euryalus burn'd, And flame for flame the virtuous vouths return'd. Illustrious pair! by mutual fates ally'd, Nor death's grim king their union could divide: E'en the stern soul of great Pelides mov'd, Lov'd by his friend, by his Patroclus lov'd.

Yet, if no spark of glowing genius shines. Thro' the long train of these increasing lines—For friendship's sake, the humble verse receive, Your bard's presumption, and his lays, forgive; Once read him through; and, if your patience tire; Condemn the culprit to an instant fire.

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Foreign Intelligence.

Vienna, February 16.

A N express has brought intelligence that pacha Mahmud has gained a complete victory over his enemies.

A blow has been already struck. No fooner was the declaration of war made known in the army, on the oth of February, than general Devins, commendant of the troops in Croatia, commenced his operations by the attack on the fortress of Drefnick.

The execution of this enterprize was confided to col. Poharnik, of the regiment of Carlstadt. He first summoned the Turks to surrender, with an assurance, that, if they gave up without resistance, they should meet with the protection of his imperial majesty. To this summons, their only answer was, the discharge of their artillery! The colonel made a similar reply, from the mouths of his cannon with such effect, that the whole place was soon in a blaze, and the garrison almost entirely destroyed.

In another quarter, the imperial troops have not experienced the fame fuccess. Lieutenant colonel Kesnovick passed the Unna, to attack the Turkish castle of Dubiza: in this project he failed, and met with some

loss.

Francfort, Jan. 23.

The Ottomans have formed four great armies: one, in Servia, of 100,000; the fecond, in Bosnia, of 60,000; the third in Bessarabia and Moldavia, where the chosen artilmea, of between 20 and 25,000 men.

The Russians were preparing to a lay siege to Oczakow, when the last

letters came away.

Hague, Jan. 29.

We have accounts from Paris, that eight magistrates have refused to affist at the fittings which are to precede the restoration of the protestants to their civil rights; and we also learn, that they are not very well pleased at Versailles, with the flattering reception M. de Calonne has met with in London.

Dublin, January 29. Extract of a letter from Louvaine.

By the late accounts at Antwerp, it appears that 16,800 Dutch have passed that city in their way to France; 216 left this city, last Tuesday morning, to go to Lisle.

London, Jan. 1.

The fugitives from Holland, it is faid, have purchased land in France to the amount of 1,500,000 florins.

Feb. 1. Yesterday lord George Gordon appeared in the court of king's bench, to receive the sentence of the judges, in the case of a libel, of which he had some months before been convicted—His lordship made both in dress and in aspect, an appearance truly Mosaic.--His beard extended a considerable way from his chin, and over his face; and his countenance seemed solemn and sanctimonious---He received the sentence of the court with much apparent humility; which was,

For writing and publishing the prisoners' petition, to be imprisoned

in Newgate, for three years.

For writing and publishing the libel on the minister of the French court, to be imprisoned in the same jail for two years, to commence from the expiration of the sirst sentence.

To pay the crown a fine of 500l. To enter into a recognizance, at the expiration of his imprisonment-himself in 10,000l and two sureties in 2,500l each, for his good behaviour, for 14 years.

Lord George was quite filent; ; was drefled in a drab-coloured oat; his hair, as usual, undressed; s beard of a confiderable length.

By the accounts which have been ublished in Paris, of the populaon of that city for the year 1787, appears there were 20,378 baptifins, 3,139 deaths, 5912 infants found, 105 marriages, and 107 who took e veil; fo that there were 2239 ptisms more than deaths.

Feb. 2. The protestant edict is at It carried in France, there being ily eight members who opposed it; ey were the archbishop of Paris, the thops of Chalon and Beauvais, two bes, M. M. Givis, d'Epresmenil,

id St. Vincent.

Feb. 4. General field marshal Lauhn, well known for his military lents, and determined bravery in e war of 1737, undertakes, at the onderful age of 79, the conquest of loldavia: while the emperor, in pern, takes upon him the command of e army in Hungary, confisting of 00,000 men, which being divided to different bodies, will attack the urks in Servia, Bulgaria, and Bof-

A third army will be Rationed in fallicia, which, with the Russians, ho are to join it, will amount to 5,000 men, and can, with great fality, act in concert with the grand my of the empress, which is alreay on the borders of the Ukraine,

nd of Podolia.

It is resolved to enter Moldavia by vo armies, at two different places, at ie fame time: the Austrian forces ill penetrate into it by Buckowine, nd the Russians by the Polish Uk-

A letter from Vienna, dated Jan. , fays, "it was reported, fome days go, that a fresh attempt on Belgrade ad been made; but we have reason doubt it; as the accounts from Eslavonia, of the 12th December, made

no mention of it. They nevertheless confirm the report that the imperial troops there are making dispositions, which feem to portend fome grand stroke to be struck soon, which caused it to be faid yesterday, that something important had happened, on the 2d instant, in those parts."

Feb. 15. Mr. Adams, the American ambaffador, takes leave of our court, previous to his return home,

in the course of next week.

Feb. 16. This day is the commencement of mr. Haftings's trial, on a charge of high crimes and mifdemeanors.

All those who had contributed to the defence of Utrecht, are condemned to exile, for three years,

from that province.

March 1. An official notice was delivered on Sunday the 10th instant, at three P. M. by prince Kaunitz, to all the foreign ministers, at Vienna, that the emperor had found himself obliged to declare war against the Turks; and that he hoped, in a cause fo good, that the vows and wishes of all Europe would accompany him in his endeavours against the enemies of christianity.

Couriers were dispatched to Verfailles and Petersburg: and, on the 27th last month, orders were fent to baron Herbert, at Constantinople, to declare war. It is therefore highly probable that that internuncio is lodged with the Russian minister, in

the Seven Towers.

March 6. By a gentleman who arrived yesterday from Germany, we learn, that an account had arrived at Vienna, of the imperial troops having invested the important city of Belgrade, which, it was expected, would make a very powerful refistance.

The empress of Russiahas now awowed her intention of driving the Turks out of Europe, and of giving the fovereignty of that part of the Ottoman dominions to the grand duke's fecond fon, who is to hold it as a tributary prince to Russia.

Since the emperor's declaration of war against the porte, the French court have, it is said, sent a notification to our government, informing them, that by a treaty, sub-sisting between them and the Turks, they are under the necessity of supplying the latter with fix ships of the line.

A letter from Bourdeaux, dated Feb. 18, fays, "the public discontents in this city do by no means decline; nor are they likely to be settled, till the affairs of the parliament are put upon what we now conceive to be a constitutional footing. The rage of absolute monarchy is rapidly declining; and, though a Frenchman will probably never lose his favourite maxim of vive le roi, yet we begin to conceive that slavery is a badge too galling for any but the most abject of the human species."



AMERICAN INTELLIGENCE.

Boston, March 22.

In a revenue bill which paffed the hon, legislature yesterday, the clauses in the act heretosore in sorce, laying a duty on advertisements, writs, executions, and deeds, not registered in fix months, were repealed.

Newport, (R. I.) April 3.

The following is the result of the proceedings in this state on the new constitution:

Newport, Providence, and Wefterly, did not poll, but gave inflructions to their deputies in general affembly, to have the conflitution referred to a convention, where it could be legally and properly determined.

In Warwick and Greenwich, no yeas were given, the federalists having entered a protest against the alteration of the mode of decision, as legal and unprecedented.

In Bristol and Little Compte there was a majority of votes for t new constitution.

The other towns generally neg tived the constitution; their majo ties will appear larger, as the fec ralists declined giving their votes town meeting, upon a question th is resolvable only by a convention

the people.

It is therefore prefumed that t legislature will consider this act, a tering the mode of decision, as about tive and nugatory—and not offer the united states and to the world partial decision on the constitution, being the voice of the people of thate—for it is an indisputable trut that the nays returned, do not form majority of the freemen and freeho ders of the state.

New York, April 1.

By order of congress, the posta of letters is reduced 25 per cent.

April 12.

Intelligence from the state of Frankli Transcript of a letter from general Ri fell, dated 9th of March, 1788.

"You have heard that govern Sevier had befieged col. Tipton house, and had offered terms of cap tulation; which being rejected l Tipton, he sustained a fire from the governor's whole body of troop without damage to any in his houl-Two women were fent out in the day time on fome occasion, one whom received a ball through he The experienced genera inoulder. to shew his abilities in war, attemp ed to fire Tipton's house, by a mov ing battery, which he employe early one morning. Col. Maxwe ftole a cautious march, furprised th governor and his party, by the fir fire, and forced the governor to re treat without his boots. It feems th reat was intended to gain an emiice, not far from the encampnt; which being recovered by Ser's party, they returned fome shot Maxwell's men, killed one, and unded one or two more; but the ce of the latter charging with nness, soon dislodged Sevier, and cted a total defeat; we learn t 12 are dead of their wounds, and t the governor was feen 15 miles m home, barefooted. The last acint fays, both parties are raising re men: how it may end, God y knows''-

April 24. A hog was lately killed mr. Harrington's flaughter-house, Middletown, which weighed, inding the whole of the lard, 602

inds.

letter from New Providence, dat-March 27, fays, " these islands ce the peace, have been in a continuiproar, by a violent and rancorous pute between the inhabitants and : American refugees, the latter conving themselves entitled to the eatest share in the affairs of gornment, and every other indulnce, to the total exclusion of their ore honest fellow subjects. As soon lord Dunmore arrived, they, in a nultuous manner, and in terms far om polite, addressed, or rather reired of him, immediately to difve the house of assembly, because me of the old inhabitants were in e legislature, and fet forth, that eir respectable corps were not suffiently represented, not forgetting remind his lordship of their unaken loyalty during the American ntelt, and the great facrifice of operty they had made, in support the royal cause; his lordship has oroughly investigated the affair; d the malignity and turbulent fpi-: of these fugitives appearing fully his lordship, he has refused to mply with their unreasonable reilitions; and, to all their long ad-

dreffes and harangues, both in and out of the legislature, he has given them the following laconic answer: " I do not think it expedient for his majesty's fervice, to dissolve the

prefent house of assembly."

A letter, dated, Lake Champlain. March 18, 1788, fays, "lord Dorchefter has ordered the people, ten miles on this fide of the lines, to be enrolled with the militia of Canada-they are to choose their officers next week, are to be governed by the laws of that province, and protected by the fame. As foon as the ice on the lake breaks up, the ship Maria is to come up the lake, ten miles, to keep up order and regulation, if necessary."-

April 25. As exaggerated accounts of the late riot in this city have been circulated through different parts of the country, we have obtained the following particulars of that unhap-

py event.

During the last winter, fome students of physic and other persons had dug up from several of the cemetaries of this city, a number of dead bodies, for diffection. This practice had been conducted in fo indecent a manner, that it raised a considerable clamour among the people. The interments, not only of strangers and blacks, had been disturbed, but the corpfes of some respectable persons were removed. These circumstances most fensibly agitated the feelings of the friends of the deceased, and wrought up the passions of the populace to a ferment.

On Sunday, the 13th inft. a number of boys, we are informed, who were playing in the rear of the hofpital, perceived a limb, which was imprudently hung out of a window, to dry: they immediately informed fome persons-a multitude soon collected -entered the hospital-and, in their fury, destroyed a number of anatomical preparations; some of which we

are told, were imported from foreign countries—one or two fresh subjects were also found-which were interred the fame evening. Several young doctors narrowly escaped the fury of the people; and would inevitably have fuffered very feriously, had not his honour the mayor, the sheriff, and some other persons, interfered, and rescued them, by lodging them in jail. The friends to good order hoped that the affair would have ended here: but they were unhappily miftaken.

On Monday morning, a number of people collected and were determined to fearch the houses of the fuspected physicians. His excellency the governor, his honour the chancellor, and his worship the mayor, finding that the passions of the people were irritated, went among them, and endeavoured to diffuade them from committing unnecessary depredations. They addressed the people pathetically, and promifed them every fatisfaction which the laws of the country can give. This had confiderable effect upon many: who, after examining the houses of the sufpected doctors, retired to their homes. But, in the afternoon, the affair affumed a different aspect. A mob, more fond of riot and confusion, than reliance upon the promises of the magistrates, and obedience to the laws, went to the jail, and demanded the doctors who were there imprisoned. The magistrates, finding that the mild language of perfuasion was of no avail, were obliged to order out the militia, to suppress the riot, to maintain the dignity of government, and protect the jail. A fmall party, of about eighteen armed men, affembled at three o'clock, and marched thither—the mob permitted them to pass through, with no other infult than a few volleys of stones, dirt, &c. -Another party, of about twelve men, about an hour afterwards, made a fimilar attempt, but having no

orders to refift, the mob furroun them, feized, and deftroyed th arms. This gave the mobility fi courage—they then endeavoured force the jail, but were repulfed b handful of men, who bravely fulle ed an attack of several hours. then destroyed the windows of 1 building with stones, and tore de part of the fences. At dusk, a pa of armed citizens marched to the lief of the jail; and, as they proached it, the mob, huzzaing, gan a heavy fire with stones, bri bats, &c. Several of this party w much hart, and in their own defer were obliged to fire; upon wh three or four persons were kill and a number wounded. shortly after dispersed.

Kentuke, April 4. It is with most fensible concern, we annouto the public, the capture of th boats, on the Ohio, near the 1 Miami, by the favages. Familiai ed, as we have been, for feve weeks past, to murder, and robber at almost every point of our fre tiers, the fympathy of all ranks 1 been excited in an extraordinary gree by this deeply affecting cat trophe. Among the passengers these boats, it is with great regret mention Samuel Purviance, esq. Baltimore-town, mr. Ridout, Maryland, monf. Ragaut, and tv other French gentlemen, one a min ralist, the other a botanist, desiin to explore the natural products this country, a mr. Pierce, of M ryland, and a mr. Ferguson, a tr der; besides these gentlemen, the was a mr. Gray Garland Simmon five other men, and a negro woma-The three French gentlemen at mr. Pierce, who alone occupied or boat, were attacked on the 261 ult: from circumstances we are at thorised to conclude, that the other boats were taken on the 21st: they passed Limestone on the 19th The favages had in their possession:

in which eight or ten of them chace to the French gentlemen, finding they could not escape, mined to prefent a white handief, with other demonstrations endthip, and furrender without ince; for this purpose, mr. Ratook post at the stern of the and, when the favages had aphed very near, he offered his and, in return, received the rian's tomahawk; at the fame it, the botanist was shot dead, he mineralist badly wounded; oat at this time having drifted the shore, mr. Pierce, and the ving French gentleman, jumped poard, and the current being rathe favages passed them, whilst were butchering and plunderor. Ragaut, and the other vic-

They with difficulty gained hore; and, under cover of the made a circuit, and fell in the river, below the favages, e they were, the next day, taken y a boat, and conveyed to the is the day after. Thefe are all ircumftances we have been able ellect on this melancholy occa-

There remains no doubt, that wo boats first mentioned, have captured, as one of them has taken up at the rapids, and the r was seen in possession of the captives is rtain—Two boats a few hours ont of mr. Ragaut, under the tion of captain Balliard Smith a mr. Hinds, were attacked at ame place, from the shore, but returned the fire, and escaped out further injury, than two as wounded: and it is said two ans were killed in the attack.

Philadelphia, April 30.

he planters of South-Carolina making experiments in the culof cotton, and they have proved texto very fatisfactory, promising t profit. We hope to see their cotton bags, before long, the woolpacks of America. We learn that they have got the gin, or machine for cleaning it, by which the profit of raifing it must be much increased. How flourishing would South-Carolina and Georgia foon be, with proper economy, and under a good government, who, to their old valuable produce, rice and indigo, have lately added tobacco and cotton? The latter articles may be of confiderable consequence to the coasting trade, which will probably be confined, by the general government, to American bottoms, as fuch a regulation would not at all interfere with the necessary open market to foreigners. The large towns, in the middle and northern states, will probably become the scenes of considerable cotton manufactures. and to them the raw cotton must be transported from the places of its growth. This domestic branch of the carrying trade, from port to port within the union, is becoming daily more important. The Virginia collieries now employ a good deal of tonnage, and new discoveries, on the Hudson, Delaware, or Chesapeak, will, it may be hoped, increase the benefits of this branch.

Extract of a letter from Baltimore, dated April 28.

"Our convention have adopted the new conflictution by a great majority—63 to 11—To-morrow it is to be ratified in form."

We are informed, that American vessels are received with great cordiality at Cayenne, and that the French government shew them every attention. Flour, and all kinds of provisions from the united states, find there a good market, the coimmerce of that colony being entirely free. It's population, which in the late war amounted to ten thousand souls, including negroes, is fast increasing. The plantations of sugar, cosse, indigo, pepper, cotton, cloves, &c. are in a thriving condition,

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AMERICAN MUSEUM,

OR

REPOSITORY

OF ANCIENT AND MODERN

FUGITIVE PIECES, &c.

PROSE AND POETICAL.

For M A Y, 1788.

** From various gardens cull'd with favcetest stoaw'rs enrich'd,

..... "Collecta revirescunt."

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VOL. III. NUMB. V.

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PHILADELPHIA:

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M.DCC.LXXXVIII,



AMERICAN MUSEUM,

For M A Y, 1788.

Thoughts on crimes and punishments.

N this scason of political investigation, when the united attention America, is attracted by the grand stem of national government, that to give consequence and dignity to r, among the first empires of the rth; the following observations ill, perhaps, be thought of little Yet as the mind cannot ways be engaged in the contemplaon of things in their utility fo exnfive-and as objects of inferior infideration, may yet be well wory of public attention-the author, that ground, begs leave to fubmit e enfuing remarks, to the perufal his countrymen. He does not pect that much good can refult om a publication composed with lents inadequate to the task; but pes it may suggest the undertaking fome abler writer, to employ his n on a subject fo generally neglect-, notwithstanding, in its nature, is so laudable.

Before men were subject to laws any kind, as in the early ages of e world, they were in a state of limited freedom, and, consequent, every person had a right to do hatever seemed to him to be best, thout any other power to control

his actions, than barely his own will and pleafure. Whilst mankind were yet but few in number, and the world but thinly peopled, this unbounded enjoyment of liberty was not discovered to be an evil. The regions of the earth were ample and extensive, fo that there was room for each man to move in a sphere of his own. when the inhabitants of the world became numerous, the full enjoyment of liberty was found to be an inconvenience, inafmuch as it was plainly discovered to be incompatible with that harmony between each other, without which, there could be no fuch thing as happiness in the world.

For men's actions, by reason of their propinquity, interfering with one another, the diforderly and the wicked were always interrupting the tranquility of the fober and the virtuous, and throwing all around them There was no law into commotion. to punish such licentious behaviour, and accordingly, the world experienced many dreadful irregularities.— Observation and experience having, at length, fully evinced the mischief of living in a state of natural liberty; and a general conviction prevailing, that it was expedient, and proper, to furrender a part of those privileges derived from nature, for the fecurity and protection of the reft, the world came to the resolution of vesting power in the hands of a select body of men, in order to accomplish this salutary purpose.—

This was the origin of civil society,

and of civil government.

In entering into this compact, by which mankind agreed to fubmit to the restriction of laws, as, of two evils, the most eligible—they could only grant a power over those rights, that naturally belonged to them. Personal liberty, and property, being unquestionably in this class, it was at their option to yield them up to the disposal of another, without violating any law, moral or divine. had therefore an undoubted authority to make any compact respecting those two privileges, and to submit the regulation of them, to lawgivers and legislators. But life being reserved by the Supreme Being, as a right, belonging to himself, mankind were not at liberty to commit the disposal of it into the hands of others, or to enter into any compact about it whatever. The only case wherein it was ever proper, or ever can be fo, for the world to exercise jurisdiction of the lives of men, is pointed out by the Creator himself, in that pasfage of scripture where he says, "blood shall be repaid by blood." But this jurisdiction being the confequence of a divine law, could not be exercifed without a manifest violation of the divine prerogative, did the law proceed from another power than that of omnipotence.-Nothing is more conspicuous than the wisdom of the Creator, in referving to himfelf, the life of man; fince none fo well understands its value, and none who are unable to give it, should be allowed to take it away.

Previous to entering into the main purpose of this publication, it was necessary to premise the foregoing observations—in order to comprehend how far the power of making lavoriginally extends, and to feparate and distinguish those objects to which it is applicable, from those to which it is not. We shall by this mean discover, whether men have not, it exercising this power, exceeded, common occasions, the bounds allotte them by providence; and whether they have not, in cases of capit consideration, violated the rights cheaven, and of humanity.

The most fuperficial observation will convince us, that this fatal an unwarrantable stretch of power, hat been, and is now, exercised under many governments. Men have a fumed a right over the lives of the fellow creatures, collectively, though, individually, they have no even fo much as a right over their ow lives! Legislators have enacted law which punish, with death, a crin that would be feverely expiated, b what is not deemed by many, a ver rigorous corporal punishment. the countries where those laws have been made, instead of testifying the abhorrence of fuch unwarrantab proceedings, have not failed to exc cute them, with unrelenting feverity

Yet one would imagine, that nor could, without a mixture of horro: compassion, and resentment, see a fe. low creature about to be plunged int the aby so of eternity, by a cruel and ig nominious death, for having appropri ated to his own use, a small pittance o another's property!-the probabilit of being driven into the commission of this crime, by a distress so excel five as to call for immediate relicf, i not only a mitigation of the offence but the strongest aggravation of the inhumanity of that law, which pu nishes a trespass, so slight, with such rigorous extremity. Add to thi consideration, the reflection, that the property taken, might possibly have been of little use to the proprietor and our abhorrence of the favage ia

ifice, is complete. When we comare the crime committed, with the mishment to be inflicted, and see te vast disparity between them; hen we see that the former bears no oportion to the latter, and behold e unfortunate person's excessive ifer, all fense of his guilt is swalwed up by our compatition, and we el ourselves irresissibly drawn to plore his fate, and to reprobate the uelty of that sentence, the effects which, to a fellow creature, are, ch irreparable injustice and calaity.

But, however shocking, even the ea of fuch a facrifice must be to ery person of humanity; yet, on is very occasion, the practice of ankind, in some countries, evinces em to be capable of great favageis and barbarity. In Great-Briin, where those fanguinary laws, this day, triumphant reign, shoals, om their prisons, are led publicly the flaughter-and yet no alteratiin them is attempted. Even our vn country, on which the goodness providence, hath bestowed so mableffings, is not, in this respect, 's culpable.—Let America repeal ofe odious laws, and become the vocate of humanity, as she hath ng been the admired one, of the this of human kind.

Let any man who fees a malefacr led to execution, for one of those mparatively flight transgressions, lay. s hand upon his heart, and ask himf whether he never did any thing ore destructive to the happiness of e world? let him, thus folemnly, ask mfelf, whether he never attemptto injure the domestic tranquility of s neighbour—to obtain the possesn of his property by methods, shonest and unjust-or, privately destroy his reputation and credit the world, by means, equally maious and detestable? these being

crimes of an infinitely deeper dye. than that of having deprived another of the value of a shilling*, and in their consequence, much more deadly and pernicious; let him acknowledge, that he himself better deserves death, than the malefactor before his eyes, and shudder at the excessive feverity of the law. Let him acknowledge, that the person condemned to death, fuffers more by the cruel and capricious disposition of mankind, in making laws to punish capitally, one species of offences, while others, of a higher degree of enormity, are overlooked, than by any uniform

rule of justice whatever.

If in a moral light, those laws are fo justly reprehensible—in a political one, they are still more fo. The least reflection will discover their abfurd and evil tendency, and shew them to be pregnant with dreadful mischief in their operation.—A robber, impressed with every sentiment in behalf of the person whom he has plundered, is yet tempted, when his own life comes in competition with them, to over-rule the dictates of his humanity. He does not hefitate, therefore, to remove out of the way. the only witness that can endanger it. In this instance, he is in a great degree excufable, by the reflection, that through the resentment of him he had deprived of a trifle, his own life might have been unjustly taken away, if he had not reforted to this desperate expedient, to prevent it .- Thus, murder is added to robbery; because the punishment of those two crimes, being equal, and the greatest that can possibly be inflicted, no new danger is incurred,

NOTE.

* In England the laws condemn a man to death for robbing another of a fhilling sterling.

by adding the latter to the former. but the transgressor, on the contrary, accomplishes his own fafety by it.— On this occasion, he only pursues a very natural principle, felf preservation.—Crimes, whose degrees of enormity are very different, being thus, by the law, confounded—and the commission of the most flagitious, being made necessary to the safety of him who has already committed that which is naturally the most pardonable-it is no wonder that the perpetration of the one, should so often be immediately fucceeded by the perpetration of the other .- If, however, it is found, that in fome instances, the one does not fucceed the other, it is not owing to the fear of the law, but to the force of remaining virtue. The law tempts the offender to fecure his own fafety, by the death of the person he has risled; but he rejects the infamous overture, in favour of the rights of humanity, and of conscience.-Thus the law seduces, where it was intended to amend: stimulates to the commission of offences a thousand times worse than those it was made to prevent; renders the greatest crime in the world, familiar to the mind; and, by reducing it to a level with theft, or fimple robbery, destroys the sense of the diffinction nature has made between them, and lessens that abhorrence it has implanted in the mind of men, for the blackest, and most capital, of all transgressions.—Had different and proper degrees of punishment been allotted to the crimes we have mentioned, there would have been no temptation to avoid the punishment of the one, by committing the other, fince the criminal, confcious of the infinite disparity between them, and fenfible that the fame difparity of punishment likewise prevailed, would be awed by the fear of incurring fresh danger, and therefore deterred from incurring fresh guilt.

But the evils already pointed ou are not the whole which refult fro laws fo impolitic and injudicious. Their excessive severity, and dispr portionate punishment, strike tl rod of justice from the hand of th party injured, who, though willing to inflict a penalty adequate to the injustice he has sustained, yet shu ders at the idea of taking the tran greffor's life. He chooses, therefor to connive at his escape, rather the by delivering him up to the law, expose him to a punishment th holds no measure with the offence .-Encouraged by fuccessful villain the offender profecutes the fan course of life, with redoubled a dour; again, transgresses, and, for the reason before mentioned, aga experiences the like indulgence. Er boldened, now, by repeated fuccel he lays aside all fear of punishment adds crime to crime, and enormit to enormity. Thus accustomed reiterated transgressions, he grov callous to the admonitions of confc ence, loses all sense of shame, ar becomes capable of every gradatic of guilt. Nothing, now, stops h hand; he tramples on all laws, huma and divine; - violence and outrag mark his steps;—and he degenerate into a lawless savage, to be hunte down by mankind.-The patience of the world being at length exhauft ed, it unites against him-he : arrested, and out off in the full bloor of iniquity. Thus he was fuffere to deferve death, because if he ha been fooner apprehended, he woul have suffered death before he deser ved it.

There is no greater argumen against such violent laws, than thi lenity shewn to offenders; and the legislatures of those countries where they are in force, seem to acknow ledge the impropriety of them, when they lodge a power in their executive to grant reprieves and pardons. Doe

not this betray an opinion that they are too harsh, since they require a nitigation? And if it is their opinion, why do they not avow it, and orrect the errors of their administration?—Nothing could be more noble than this candid and open recanation of their political overfights; s nothing on the contrary, can be nore despicable and unjust, than their reseverance in an error, which comnon sense, experience, and their own adgment, unite to condemn.—But return to the point in view.

A milder and more equitable use f power would probably have prouced much happier confequences. this cafe, there is the strongest ason for supposing, that the laws ould have been pointedly executed. he punishment would have trod ofe on the heels of the offence, beuse the whole world would have ited to discourage transgressions moxious to public happiness. The ar of exposing the transgressor's e, being removed-and the certainthat the punishment of any crime, ould not have exceeded the limits justice-nothing would have renined to check that defire, which ery one feels, to fee a violation of e laws punished; and the thief, in ery instance, would, accordingly, ve been delivered up to their chafement. It being thus reduced to ertainty, that penalties would be licted, whenever a breach of the is took place, a general reformatiamong the disorderly and licentimembers of fociety, would have in produced. The law, in that e, would have been calculated to vent, instead of to multiply crimes; l, armed with real terrors, it uld have been formidable to all inders; and none would have vened to approach the sphere of its uence, without caution. Thouds of valuable lives, would, by means, have been faved, that

have been cut off by the weak and oppressive laws of arbitrary power. Transgressors, overtaken suddenly by punishment, in their first off-set, would have had no time to extinguish shame by a familiarity with guilt. The bud of iniquity, being suddenly nicked, the fruit, of course, would have been destroyed. Innumerable multitudes, by this means, would have recovered from the first sales feep, and have turned it to the advantage of their future lives.

The fear of shame operates more forcibly on fome minds, than the fear of death. Punishments, therefore, which tend to stigmatize and render infamous, would be much more apt to prevent the commission of flagitious enormities, than the heaviest denunciations of the keenest rage, united with power, the most unlimited. But notwithstanding this confideration-DEATH must still be considered, as the greatest of all terrestrial calamities. It is that which feparates the foul from the body, precipitates it into the immeasurable ocean of eternity, and delivers it up into the hands of its Maker. It irrevocably feals our doom, produces a final decision on our fate, and precludes, for ever, the possibility of an appeal! Confidered in this awful light, the terrors of it should not be fported with, and rendered, in practice, familiar to the mind of man. Being the greatest of all possible evils, it should be referred as a punishment for the greatest of all possible crimes -of crimes equally tremendous, and equally irremediable!

Having, at length, shewn, that all laws which punish capitally, other offences than death, are founded on a manifest usurpation of the divine prerogative—that they are inconsistent with justice, morality, and sound policy—and that laws, of a milder tendency, would have answered better the purposes of civil government—it

is time to put a final period to thefe, parts, viz. fingle and double und

for Joyal Bollamo A.L. F. R E D. Baltimore, March 25, 1788. इंड रिल के इतना म लेंड अर र डिल

Mr. Printer,

I take the liberty of enclosing you a copy of lord Mahon's method of fecuring houses from fire: and the interest your humanity will take in it, makes it, I am fure, unne- 1 7 | ceffary to request you to give it a place.—As this city is on the increase, it will be no doubt attended with greater good effects than even in London, where it was particularly intended to be applied by the illustrious philosopher who invented it; for it is only atthe first erecting of a building, that the greater part of the enclosed observations can be carried into execution.

A CONSTANT READER.

Description of a most effectual method of securing huildings against fire, invented by Charles lord viscount Mahon, F. R. S.

SECT. 1. THE new and very fimple method which I have discovered of securing every kind of building (even though constructed of timber) against all danger of fire, may properly be divided into three parts; viz. under-flooring, extra-lathing, and inter-fecuring, which particular methods may be applied in part, or in whole, to different buildings, according to the various circumstances attending their construction, and according to the degree of accumulated fire, to which each of these buildings may be exposed, from the different uses to which they are meant to be appropriated.

Sect. 2.—The method of underflooring may be divided into two flooring.

- The method of fingle and and flooring is as follows: - a conim frong lath, of about one quar of an inch thick, should be nai "against each side of every joist, a of every main timber which suppo the floor intended to be secure other fimilar laths ought then to nailed the whole length of the joi with their ends butting against el other; these are what I call fille The top of each fillet ought to be one inch and a half below the top the joilts or timbers against wh they are nailed. These fillets then form, as it were, a fort of in ledge on each fide of all the joifts

Sect. 3.—When the fillets are go to be nailed on, fome of the roi plaister hereafter mentioned (fect: must be spread with a trowel al long that fide of each of the fill which is to lie' next to the joifts, order that these fillets may be v bedded therein when they are nai on, so that there should not be any terval between the fillets and the jo

Sect. 4.—A great number of : common laths (either of oak or must be cut nearly to the length the width of the intervals betw the joists.

Some of the rough plaister re red to above (fect. 3.) ought to foread with a trowel, fuccessively on the top of all the fillets, and long the fides of that part of the je which is between the top of the fil and the upper edge of the joists."

The short pieces of common li just mentioned, ought (in order fill up the intervals between the jo that support the floor) to be laid the contrary direction to the joi and close together in a row, so as touch one another; as much as want of straitness in the laths t possibly allow, without the la lopping over each other; their e must rest upon the fillets spoken of above, (feet. 2.) and they ought to be well bedded in the rough platter. It is not proper to use any nails to fallen down either these short pieces of laths, or those short pieces hereafter menti-

oned, (sect. 7.)
Sect. 5.—These short pieces of laths ought then to be covered with one thick coat of the rough plaffer Spoken of hereaster, (sect. 9.) which should be spread all over thein, and which should be brought with a rrowel, to be about level with the tops of the joists, but not above them. rough plafter in a day or two fhould be trowelled all over, close home to the sides of the joilts? but the tops of the joills ought not to be any wife covered with it.

Seft. 6 .- The method of double under flooring is, in the first part of it, exactly the same as the method just described. The fillets and the short pieces of laths are applied in the same manner: but the coat of rough plaster ought to be little more than half as thick as the coat of rough platter applied in the method of fingle under flooring.

Seft. 7 .- In the method of double under flooring, as fall as this coat of rough plaffer is laid on, some more of the short pieces of laths, cut as above directed, (sect. 4.) mult be laid in the intervals between the joills, upon the first coat of rough plaster: and each of these short laths must be, one after the other, bedded deep and quite found into this rough plaster whilst it These short pieces of laths is foft. should be laid also as close as possible to each other, and in the same direction as the first layer of short laths.

Sect. 8 .- A coat of the same kind of rough plaffer should then be spread over the second layer of short laths, as there was upon the first layer above described. This coat of rough plaster should (as above directed, fed. 5. for the method of single un-Vol. III. No. V-

der flooring) be trowelled level with the tops of the joills, but it ought not to rise above them. The sooner this second coat of rough plaster is spread upon the second layer of shore laths just mentioned, (fect. 7.) the benier.

What follows, as far as fect. 13, is common to the method of fingle as well as to that of double under floor-

ing.

Selt. q.-Common coarfe lime and hair (fuch as generally lerve for the pricking up coat in plastering) may be used for all the purposes before and hereaster mentioned; but it is confiderably cheaper, and even much better, in all those cases, to make use of hay instead of hair, in order to prevent the plaster work from crack-The hay ought to be chopped to about three inches in length, but no thurter.

One measure of common rough fand, two measures of laked lime, and three measures (but not less) of chopped hay, will prove, in general, a very good proportion, when sufficiently beat up together in the manner of common mortar. The hay mull be well dragged in this kind of rough plaster, and well intermixed with it; but the hay ought never to be put in till the two other ingredients are well beat up together with water.

This rough plaster ought never to be made thin for any of the work mentioned in this paper. The sliffer it is, the better, provided it be not too dry to be spread properly upon the

laths.

If the flooring boards are required to be laid very foon, a fourth or a fifth part of quick* lime in powder,

NOTE.

* I have practifed this method in an extensive work with great advantage. In three weeks, this rough plaster grows perfectly dry.

(e) (e) very well mixed with this rough plafter, juil before it is used, will cause it

to dry very falt.

Sect. 10 .- When the rough plaster work between the joills has got thoroughly dry, it ought to be observed, whether or not there be any finall cracks in it, particularly next to the joilts: if there be any, they ought to be washed over with a brinsh, wet with mortar-wash, which will effectually close them : but there will never be any cracks, if the chopped hay and the quick lime be properly made use of.

Sect. 11 .- The mortar-wash. I make use of, is merely this. About two measures of quick lime and one measure of common sand, should be put into a pail, and should be well flirred up with water, till the water grows very, thick, fo as to be almost of the confishency of a thin jelly. This wash, when used, will grow dry

in a few minutes.

Sect. 12. --- Before the flooring boards are laid, a small quantity of very dry common sand should be Arewed on the rough plaster work, but not over the tops of the joilts. The fand should be struck smooth with an hollow rule, which ought to be about the length of the diffance from joist to joist, and about one eighth of an inch curvature; which orule, passing over the sand, in the fame direction with the joills, will cause the sand to lie rather rounding

NOTE.

tough plaster, so made, may be applied at all times of the year in Eng-I land with the greatest success. easiest method, by much, of reducing the quick lime to powder, is, by dropping a fmall quantity of water on the lime stone, a little time before the powder is intended to be used. The Time will flill retain a very fufficient degree of heat.

in the middle of the interval between

each pair of joilts.

The flooring boards may then be laid and fastened down in the usual manner: but very particular attention must be paid to the rough plasterwork and to the fand being most perfectly dry before the boards are laid, for fear of the dry rot; of which, however, there is no kind of danger, when this precaution is made use of.

Sect. 13 .- The method of underflooring I have also applied with the utmost success to a wooden stair-case. It is made to follow the shape of the fleps; but no fand is laid upon the rough plaster-work in this cafe.

Sect. 14 .- The method of extralathing may be applied to cieling joiffs. to floping roofs, and to wooden par-

titions. It is simply this:

As the laths are going to be nailed on, some of the above-mentioned rough plaster ought to be spread between these laths and the joills (or other timbers) against which these laths are to be nailed. The laths ought to be nailed very close to each

When either of the ends of any of laths, it ought to be attended to, that these ends be bedded found in some of the same kind of rough platter.

This attention is equally necessary for the second layer of laths hereafter

mentioned, (self. 15.) Selt. 15.—This brit layer of laths ought to be covered with a pretty thick coat of the fame rough plaffer spoken of above, (sect. 9.) A second layer of laths ought then to be nailed on each lath, being, as it is put on, well squeezed and bedded sound, into the fost rough plaster. For this reafon, no more of this first coat of rough plaster ought to be laid on at a time, than what can be immediately followed with the fecond layer of lat .

The laths of this fecond layer ought to be laid as close to each other as they can be, to allow of a proper cleuch for

the rough plates.

-. The laths of the fecond t layer may then be plastered over with a coat of the same kind of rough plaster, or it may be plastered over in the usual

manner.

Sect. 16.—The third method, which is that of inter-securing, is very similar, in most respects, to that of under-flooring; but no fand is afterwards to be laid upon it. Interfecuring is applicable to the fame parts of a building as the method of extra-lathing just described; but it is not often necessary to be made use

Sect. 17 .- I have made a prodigious number of experiments upon every part of these different methods. caused a wooden building to be con-Bructed at Chevening in Kent, in order to perform them in the most na-tural manner. The methods of extralathing and double under flooring, were the only ones made use of in that

building.

On the 26th of September, 1777, I had the honour to repeat some of inv experiments before the president and fome of the fellows of the royal fociety, the lord mayor and aldermen of the city of London, the committee of city lands, several of the foreign minillers, and a great number of other persons.

Sect. 18 .- The first experiment was to fill the lower room of the building (which room was about 26 feet by 16) full of shavings and faggots, mixed

NOTE.

+ If a third layer of laths be immediately nailed on and be covered with a third coat of rough plasser, I then call the method treble lathing: but this method of treble lathing can almolt, in no case, be required.

with combuffibles, and to fet them on fire. The heat was fo intense, that the glass of the windows was melted like fo much common fealing wax, and ran down in drops: yet the flooring boards of that very room were not burnt through, nor was one of the fide timbers, floor joilts, or cieling joists, damaged in the smallest degree: and the persons who went into the room immediately over the room filled with fire, did not per-ceive any ill effects from it whatever; even the floor of that room being perfectly cool during that enormous conflagration immediately underneath.

Sect. 19.—I then caused a kind of wooden building (of full 50 feet in length, and of three stories bigh in the middle) to be crefted quite close to one end of the secured wooden house. I filled and covered this building with above eleven hundred large kiln faggots, and feveral loads of dry shavings; and I set this pile on

The height of the flame was no less than eighty-seven feet perpendicular from the ground; and the grass upon a bank, at a hundred and fifty feet from the fire, was all scorched; yet the fecured wooden building, quite contiguous to this vast heap of fire, was not at all damaged, except some parts of the outer coat of plaster

This experiment was intended to represent a wooden town on hire, and to thow how effectually even a wooden building, if fecured according to my new method, would flop the progress of the flames on that fide, without any affillance from fire en-

gines.

Sect. 20 .- The last experiment I made that day was the attempting to burn a wooden stair cafe secured according to my simple method of un-der slooring. The under side of the Stair-case was extra-lathed. Several very large kiln faggois were laid. Mr. Printer, island on the same hand kindled under the stair case, round the stairs, and upon the steps; this wooden stair-case, notwithstanding, restricted, as if it had been fire stone, the steems taken by the date steems convention, to provide furthe entire stoppage of the commerce of the negroes in twenty one years, we consume it.

I have tince made five flill flronger firet upon this fame flair-cafe without having moreover filled the fmall place in which the flair-cafe is, entirely with flavings and large faggots, but the flair-cafe is flill, however, flanding, and is but

little damaged.

Sect. 21.—In most houses, it is necessary only to secure the shoots; and that according to the method of single under shooting, described in \$9.2, 3, 4 and 5. The extra expense of it in London (all materials included) is only about ninepence per square yard, unless there should be particular difficulties attending the execution; in which case it will vary a little,—When quick lime is made ule of, it is a trifle more.

The extra expense of the method offextra lathing is, in London also, no more than fixpence per square yard for the timber, side walls, and partitions; but for the cieling, about ninepeace per square yard. No extralathing is necessary in the generality of

houses.

Sect. 22.—I propose giving to the world, before it is very long, a detailed account of many other experiments I have made upon this subject, and of the various advantages arising from my-method, with several particulars relative to different parts of each of the methods above described, and relative to their joint or separate application to different kinds of buildings, and to the different constituent parts of a house; to which I shall add a full explanation of the principles upon which they are founded, and the reasons for their certain and surprising specess.

Mr. Printer, Isa or sate bas has been taken by the laie: federal convention, to provide furthe entire stoppage of the commerce of the negroes in twenty one years, we mult with that the individual flates. which have not as yet palled laws for the abolition of this inhuman traffic, may, previous to that time be induced to a measure which will redound to much to their honour, and, at the lame time, as has been demonstrated by feveral publications; particularly that of dean Nickolls , no their interesterto this end, and too diffeminate as far as possible the landable endeavours of individuals, and of focieties, who have exerted themselves in defence of humanity, and the rights of mankind, I will you to intert the following memorial. drawn up by the firciety for the gradual abolition of flavery din Philadelphia, which was intended to be presented to theslate federal convention, but was withhelds apon an allurance being given by a member of the convention. that the great object of the memorial would be taken under confideration, and that the memorial, -in the beginning of the deliberations of the convention, might alarm fome of the fourhern states, and thereby defeat the wilhes of the enemies to the African trade. HUMANITAS.

To the honourable the convention of the united flates of America. Now affenbled in the city of Philadelphia I he memorial of the Pennfylvania fociety for promoting the abolition of flavery, and the relief of freene groes, unlawfully held in bondage.

THE Pennfylvania lociety for pro-

moting the abolition of pla-

See next page, most nother ters

y, and the relief of free negroes. lawfully held in bondage, rejoice the their fellow-citizens in behold. a convention of the states assemd for the purpole of amending the eral constitution.

They recollect with pleasure, that ong the first acts of the illustrious igress of the year 1774, was a reation for prohibiting the importati-

of African flaves.

It is with deep diffress they are ced to observe, that the peace was reely concluded, before the Afristrade was revived, and American Tels employed in transporting the inpitants of Africa, to cultivate, as. res, the foil of America, before it-I drank in all the blood which had in shed in her struggle for liberty. to the revival of this trade, the nety, ascribe part of the obloquy h which foreign nations have inded our infant flates. In vain I be, the pretentions of the united tes to a love of liberty, or a regard inational character, while they share the profits of a commerce that can ly be conducted upon rivers of huin tears and blood.

By all the attributes, therefore, of Deity, which are offended by this ruman traffic-by the union of our role species in a common ancestor and by all the obligations which refrom it-by the apprehensions d terror of the righteous vengeance God in national judgments-by the rtainty of the great and awful day petribution-by the efficacy of the ayers of good men, which would ly infult the majesty of heaven, if lered-jup in behalf of our counwhile the iniquity we deplore numies among us-by the fancliof the christian name—by the easures, of domestic connexions, d the pangs which attend their Rolution—by the captivity and sufrings of our fellow-citizens in Alers, which feem to be intended by

Divine Providence to awaken us to a seuse of the multice and cruelty of dooming our African breihren to perpetual flavery and mifery-t; a regard to the confillency of principles and conduct which should mark the cuizens of republics-by the magnitude and intentity of our defines to promote the happiness of those millions of intelligent beings, who will probably cover this immense continent with rational life-and by every other confideration that religion, policy, and humanity can suggest--- the society implore the present convention to make it the united flates a part of their important deliberations.

June, 1787.

Mr. Printer, I ENCLOSE you a valuable letter on a most interelling subject---the flave trade - the iniquity of which, thanks to the benevolent princis ples of the quakers, has excited fuch a general sprit of abhorrence and opposition to that traffic among the friends of humanity, in Great Britain, as must, even-tually, annihilate a practice dif-graceful to humanity. The infor-mation contained in this letter is as interelling to the inhabitant of South Carolina and Georgia as to the West India planter.

Your's, P.D.

A letter to the treasurer of the society instituted for the purpose of effecting. the abolition of the live trade. From the rev. Robert Boucher Nickolls, dean of Middleham.

Middleham, Yorkshire, Oct. 19, 1787.

SIR, I TAKE the liberty of troubling you, in confequence of an advertisement I have just seen in the York, paper, by which I find several hu-

mane gentlemen, to their infinite honour, have notified their defign to move in parliament for the abolition of the flave trade. Being myself a native of the West Indies, though established in this country, I feel myself interested in the cause you have nobly esponsed; and wish to contribute my mite of information, to which your public invitation encourages me"

I conceive, fir, if it can be proved that the natural increase of the negroes already in the islands, would be fully adequate to the cultivation of them -and that fuch natural increase would be fecured by humane treatment, no argument could then be brought against the abolition of this accurled traffic, but from the private interest of a few individuals, on this side of the Atlan-

tic chiefly.

Though it must be from a number of facts that the above polition can derive incontrovertible evidence, yet I will state one or two remarkable ones, referring you to perfous in London to authenticate them in a better manner than I am able to do.

About seventeen or eighteen years ago, a mr. Macmahon died upon his ellate in the parish of St. George, in the island of Barbadoes. The essate was valued, as well as I can remember, at about go,ocol, that money. Its late possessor had been in possession of it feven or eight years : but finding it encumbered with a debt to a merchant in London, he resolved to pay off this encumbrance by extraordinaexertions; in consequence of which, he destroyed the health and lives of many of his negroes.* He

NOTE.

* Since writing the above, a gentleman of the illand has affured me it was afcertained from a negro levy (or poll tax) that in two years the number of Macmahon's slaves was

was therefore obliged to supply place with others, purchased time to time, during the space. ven years; till at length upo own demise, his estate was les cifely in the fame flate of er brance he found it, the mone by the death of his flaves found equal to the original debt

his effate. " · Nearly about the same time little before, died dr. Mapp, 1 fame island, a gent'eman who polan estate of less value than that a mentioned -- being, as I believe about the value of twenty tho pounds currency, in a figuation fubject to drought, in a foi rich, and at a greater distance market. This gentleman was ther the patriarch than the among his negroes. Of proving had a plentiful supply: hi derness gave them a long respite labour during the greatest heat o day, from eleven to three; and per refreshments were ailded, i fultry interval, without any l of their own. Thus fostered fatherly care, their increase wonderful. Another estate; which there were no negroes, purchased, in order to receive overflow from the original el which purchased estate was, I bel of the value of twelve thousand pe currency. The daughter of this tleman had a suitable fortune; the fon inherited a clear fortu above forty thousand pounds ---

NOTE. "IL

lessened nearly one half, i.e. 170 to 95, by his feverity: and it was his usual boall, he did no fire a newly purchased slave to longer than four years, in which he could be fufficiently repaid for purchase. to a control to be a to a color a got

than double the original estate.

hter is married to a most respectgentleman, of good fortune, A. esquire, who will, I dare say, g a person of great humanity, fy you further on a subject that fo much honour to the memory is lady's excellent father; for it importance to ascertain these culars with minute exactness. I ime the well known house of - can authenticate the former ion, if it be, as I heard it in the d, at the funeral of that inhuman on Macmahon. Having now no exion with the West-Indies, and ing at a distance from town, my nunications to you can be of litnore fervice than pointing out quarter, from whence you may re hetter information : yet I have knowingly exaggerated any z, or misinformed you intention-

is very certain, that negroes mulin warm climates in an infiy greater proportion than in Even extreme heat does not mmode them : nor are they so li-, as the, white people, to the difd is not impoverished by extreme ur, scanty or unwholesome diet. the West-India ssand, and in fouthern colonies of North-Ame-, they will be full of health and our at those seasons, when the tes are affected with severs and es, and have swollen legs and ediced faces. But if the blacks are aled with flow fevers and dyfenes, is there any wonder in it, in we consider that milk and fresh it they never tafte? Their food fills of maize, vegetables and eia little rancid falt fish, or (rarely) nall portion of falt beef or pork a Ireland, which is of the worst lify the market affords; and their ik is, commonly, water from ids, occasionally with a little rum it; and in the rainy feafons they are not always withdrawn from their labours to slielter.

In the northern provinces of North-America, (where also I have resided), from the leverity of the climate, the increase of the blacks is small, (indeed there are few of them): their natural complexion, of gloffy black, is changed to a dark, unhealthy taw-ney; and they are foon old. But warm climates are congenial to them; they are prolific and long lived. It must, therefore, be the ill treatment they receive in the slands, that renders yearly supplies of new slaves necessary, to keep up the number on the plantations: where, when they arrive, many, from the loss of their liberty, their friends, and country, pine to death; fome destroy themfelves; few, if any, are capable of much labour, till the fecond or third year. And it is a known fact, that, when the planters find new recruits requilite for the cultivation of their estates, they not only prefer native flaves, but will give a confiderably greater price for them.
Why then, it may be faid, is any

planter so blind to his own interest. as not to treat his slaves in a manner, that would amply repay his humane attention? Some perfors do and find their account in it. Still this practice is not general; far from it. The planter has passions, upon which there is no check in law, in favour of the negro, for whose mur-der, (if the property is vesled in him) he is not accountable to the magiftrate. The planter, from extravagancies in this country, from riotousliving in his own, and not unfrequently from had crops, is often deeply embarraffed with debts to the British merchant ; or, eager to make a fortune, he trusts more to present exactions of labour, and parlimonious favings, than to the future product of humanity, or future recompense of liberality. I speak generally. I know there are amable exceptions: but exceptions imply a rule to the contrary. And lastly, the planter, confirmed in habit, inflexible in obstinacy, and rooted in prejudice, is unwilling to try the effect of a lenient and novel system, from which, to say the tru h, the vices of slaves (what can be expected from slaves?) render him often averse.

With respect to the force of prejudice in our illands, we know how invincibly unwilling the white people are to admit the flaves to the privileges of christianity, to which, I believe, the venerable fociety for pro-pagating the gospel in foreign parts can give ample tellimony. And why fupon the foot of humanity, I alk the question) are these poor people to be excluded from those comforts of our religion which its founder command ed to be tendered equally unto all? They are under no incapacity which they do not owe to us. At New-York, I have feen from twenty to forty black communicants. The people in our iflands not only neglest, but object to the conversion of the r slaves, upon pleas, which, if admitted originally, would have annihilated christianity at its first appearance.

In the continuation of lord Clarendon's history, we find, that in his time, the number of white inhabitants was fifty thousand—and of blacks, if I rightly recollect, a hundred thousand, in the island of Barbadoes: about twenty-five years fince, the numbers, by actual enumeration, were, of whites less than twenty five thousand; of negroes ninety thousand. Now, though the number of whites has apparently diminished in a greater proportion than that of the blacks, yet it is to be observed, that the blacks are flationary; they do not migrate; the whites do: nor is the increase of the whites from new-

comers in a greater proportion the number of natives that mis or live elsewhere: besides that climare is more in favour of blacks than of the whites. It is r in round numbers, a hundred 1 fince lord Ciarendon wrote his tinuation. In this space of time, whites have dim nifted about half: the number of blacks has fened in the proportion of nine ten, notwithstanding the yearly portation of five thousand, as I ! heard: but flating it only at thousand, or even three thous that would prove the origina! I of blacks to have been lost jul many times over, i. e. five, four three, in the space of a century, fides the diminution from one dred to ninety thousand: so while the whites, in a climate les vourable to them, have loft only half of their original flock, the bl have lost it four or five times o How near all these particulars at the precise fact. I have not the m of ascertaining; but in a ger view. I believe they are sufficie near to show that the blacks in islands are diminished, through a treatment, in a proportion, wh were it to prevail equally in all co tries, in a century would depope the globe. But I think it would worth while to examine accura into these particulars; as an ave calculation of the loss humanity tains in our islands, would be an gument that no man, with the fings of a man, could have the to reply to. I think, too, the ame of the annual import of flaves 1 our islands might be easily ascerti ed here at home, from the accou of fales; that amount might be co pared with the exports of prod from the islands; and the compart would show how much of his prod the planter lofes, and the proporti ate charge upon it, which the c mer pays, for a traffic that: a little me and fome humanity would ren-

er useless.

The immediate and effectual resedy for the diminution of flaves in ne islands, would be the entire abotion of the flave trade. This would ecessarily oblige the planter to take ich care of his negroes, as would conce effentially ferve the cause of umanity, without giving him any cation for the plea, that his rights re infringed, or his property inaded; for furely, however he may ave acquired a property of the flaves, ow under his dominion, he can ive none, in those who are not : he in have no greater right to recruit is gang with the inhabitants of Guiea than with the inhabitants of Bri-Nor can the British merchant better entitled to buy or felt the habitants of Guinea, than the inhaitants of Guinea are to buy or sell im. Let him suppose himself at lgiers, and ofk himself what he ould think of his chains, or of the ght that imposed them? What, if were true, that the British merant buys only captives taken war? War is made in Guinea, at the captives may be fold to him. : is the receiver of stolen goods that takes the thicf.

For all the blood spilt in such ars-for all the villages fet in ames, by the contending partiesor all the ravages incident to waror all the tears and fufferings of capves, whose attachments are violenty broken—for all the cruelties they ndure in the course of their voyage, runder a rigid talk-master, when old for flaves, the merchant is to anwer. He sets up self-interest as his dol, and stabs humanity as the farifice to it. And shall the rest of he world fit down quietly, and" fufer their common humanity to be hus injured and infulted-that the tader may eat turtle, and the daugh-

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ter of the skipper of a vessel flounce in filks or muslims?

But it is a branch of national commerce, and is allowed by the legislature. So, anciently, among the itates of Greece, was piracy not only. allowed, but esteemed honourable. But in a matter fo evidently contrary to every principle of common justtice, where is the man, with shame in his face, or honesty in his heart, that, in a national affembly, will dare avow such a cause? If we adnoit the plea, from necessity, for such a traffic, where shall we stop? Is not the plea of the robber, who is hanged, as good? Fint justing runt cælum. The friends of liberty muit, upon their own principles, reprobate this worlt species of tyranny—the worst, because no other has so blaiting an effect upon morals, no other fo thoroughly vitiates the heart. The christian cannot countenance it. His bible flews, that " menitealers" are classed with "murderers of fathers " and mothers, and perjured per-"fons," 1 Tim. i. ver. 10. will he mix in such a crew? Will he give them his countenance and support? They, who read and believe their bible, may learn from the hiftories and prophecies it contains, that though divine providence is pleased to permit one nation to oppress another, and though the oppressing power be the scourge of divine juttice-yet vengeance will revert to the oppressor at last, because he feeks the injury, not the reformation of the oppressed: and, therefore, believers in a divine providence will fee much to dread in the encouragement of the flave-trade.

Could that infernal traffic be annihilated, the condition of flavery in the islands would be meliorated; the native negroes would be more tractable, more ready to acquire the regard of those among whom they were born, and more easily converted to

christianity, because they may be more eafily informed. At length, by the mild and uniform operation of christian principles, slavery itself might be abolished. For though christianity, at its first promulgation, for obvious reasons, did not affect to introduce any alteration in the civil rights of men, yet its genuine tendency is friendly to civil liberty, as Montesquieu has observed in its favour, and Gibbon has dared to alledge to its reproach. That flavery is not at all necessary to the cultivation of the fugar-cane, is evident: for Sicily, within a few centuries, manufactured fugar, as Cochin China now does, without any affiftance from flaves. But were it otherwise, what would, what should, be the choice of Britons? to have fugar in their tea, or to fet nations free from the scourge, the chain, and the yoke?

To the planter, the prohibition of the flave-trade would be immediately beneficial: and the benefit would be progreffive with time: as it would immediately raise the value of his negroes, whose numbers also would be increased by a melioration

of the system of slavery.

To the British merchant it would be equally beneficial, in a similar manner; for none of the produce of the islands being expended in the purchase of slaves, more would be left for the payment of debts to Britain.

To the British nation it would be beneficial, because the planter, cultivating the sugar-cane at less expence, could afford his produce at a lower rate; because also, seamen and soldiers would not be sent to perish in the unhealthy climates of Africa.

To the American states it would afford a proof, that we are no less friendly to liberty than they, who have already shewn to us an example in this respect, which we ought

first to have given.

To all the world it will prove o equity and humanity.

To nations yet unborn, it wi transmit liberty and happiness.

To the reign of George the thin it will give peculiar luttre, and eshibit him as the friend of mankin at large, whom the noblest zeal it the support of piety and morals shome, distinguishes as the real faths of his people.

I have not, fir, intentionally mi stated any circumstance, and I as out of the way of more correct info mation. What I have written dictated by an ardent wish for the

fuccess of your cause.

I have fome pamphlets which hav been published upon this subject, an will circulate them among my neighbours.

I am, fir, with great respect, you most obedient, humble servant,

ROBERT BOUCHER NICKOLLS dean of Middleham.

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To the honourable the finate and hony of representatives of the common wealth of Massachusetts, in general court assembled, on the 27th February, 1788. The petition of a greanumber of blacks, freemen of sai commonwealth,

Humbly sheweth,

I HAT your petitioners are jut ly alarmed at the inhuman and cruel treatment that three of our bre thren, free citizens of the town o Boston, lately received. A captain under pretence that his vessel was it distress on an island below in this harbour, having got them on board put them in irons, and carried them off from their wives and children, to be fold for slaves; this being the unhappy state of these poor men, what can your petitioners expect but to be treated in the same manner by the same fort of men? What then are our lives and liberties worth, if they

av be taken away in fuch a cruel id unjust manner as this? May it ease your honours, we are not innsible that the good laws of this ite, forbid all fuch bad actions; notithftanding, we can affure your hoours, that many of our free blacks, at have entered on board vessels as amen, have been fold for flaves; and me of them we have heard from, it know not who carried them vay. Hence it is, that many of , who are good feamen, are obliged flay at home through fear, and e half of our time loiter about the eets, for want of employ; whereas they were protected in that lawful lling, they might get a handfome velihood for themselves and theirs, hich, in the fituation they are now , they cannot. One thing more e would beg leave to hint: that is, at your petitioners have, for fome me past, beheld with grief, ships eared out from this harbour for frica, and there they either steal, or ruse others to steal, our brothers and ters, fill their ships' holds full of nhappy men and women crouded ogether, then fet out to find the best arket, to fell them there like sheep or the flaughter, and then return ere like honest men, after having ported with the lives and liberty of ieir fellow-men; and at the same me call themselves christians. Blush, heavens, at this! These our weighgrievances, we chearfully fubmit your honours, without dictating the least, knowing by experience nat your honours have, and we trust ver will, in your wisdom, do us that office that our present condition reuires, as God and the good laws of his commonwealth shall dictate to And as in duty bound, your etitioners shall ever pray.

PRINCE HALL.

Method of destroying caterpillars upon trees.

TAKE lighted charcoal in a chaffing dish: throw thereon some pinches of brimstone in powder, place the same under the branches that are loaded with caterpillars. The vapour of the sulphur, which is mortal to these insects, will not only destroy all that are on the tree, but prevent its being insected by them afterwards. A pound of sulphur will clear as many trees as grow on several acres,

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Hint on the management of sheep.

TT has been often remarked, that I the American sheep yield much less wool than the sheep of Britain, France, and Spain. This is owing to the length of our winters, and the quantity of fnow on the ground, preventing their picking up as much nourishment as the sheep in Europe: -hence they drop their wool, from mere weakness, during the winter and spring. To prevent this, a farmer of long experience has found half a gill of Indian corn, given every day, to each sheep, to be extremely useful. It strengthens the sheep, by which means the quantity of wool is increased, as well as retained, till the time of shearing, to the great emolument of the farmer.

AGRICOLA.

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On the use of mud as manure.

THROUGH my farm runs a little rivulet, or brook, in several parts of which are reservoirs or lodgments of mud. I have made it a rule, for some years, every summer I could find proper, as soon as my hay was carried off my meadows, to clean those refervoirs, and spread the mud immediately on the ground. The fuccels was furprifing-I venture to fay, almost to double my crops for two or three years after. I cannot get enough to drefs my meadows all over, above once in three years: but, from what I have feen, that is often enough. I have known many good farmers mix the mud, when tolerably dry, with chalklime, dung, &c. and, after turning it together a winter, lay it on their land: and I allow this to be a good method: but these additions are unnecessary upon meadows: I should not, indeed, think it prudent to throw it thus green on arable land. The way I have hitherto made use of it, is, carrying it on by fmall, low carts, drawn by a fingle horse, and spreading it out of the cart with a scoop: and of this work we can do a great deal in a day.

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A bint to the farmers.

THE hon. mr. Dalton, of the flate of Massachusetts, in a letter to the Boston academy of arts, informs them, that from one third of an acre of a sandy loam, well manured, he raised two hundred and fifty hushels of carrots, which weighed upon an average fixty-fix pounds per bushel. Of the usefulness of this nutricious vegetable, we have the following account, published in the Encyclopædia Britannica, under the article agriculture, no. 130.

"At Parlington, in Yorkshire, from the end of Septemper til the first of May, twenty working horses, four bullocks, and fix milch cows, were sed upon the carrots that grew on three acres, and these animals never tasted any other food, but a little hay. The milk was excellent—

and, over and above, thirty ho were fattened upon what was left I the other beafts."

AFARMER.

Address to the citizens of the unit states.

THE peace, liberty, and fafe of our common country co upon us, at this time, for all o good fense, our moderation, and o integrity. Unhappy fymptoins of. unseasonable warmth have too fi quently discovered themselves in t publications and debates upon t momentous subject whereon deper all our future good or evil. T proposed constitution for the unit states, being an object of immer consequence, not only to us, but mankind, we must deeply regret as be shocked by the language wi which the subject is treated. Wh a number of characters, than who on the whole, the union has no be ter nor abler friends-when, I fav. number of characters such as the under the authority of their respe tive states, had formed a constit tion, which was promulgated in t most open manner, in thousands public newspapers and hand-bil reported to the legislatures, a transmitted to congress-when co gress had passed it again to the leg larures—and the legislatures h called conventions in most instance unanimously-when two of the conventions have adopted it unar moully, and another by a majori of two-thirds-what shall we so of ourselves, or what must the ast nished world think of us, when the find fuch open conduct indecently at outrageously termed a conspiracyand the whole lift of men, who has taken a part in the hufinefs, prepo terously attempted to be held up

e characters of dark conspirators? e men who gratefully remember ft fervices-ye men of just and oderate, but firm spirits, as ye value e peace and honour of our couny, take heed how ye join fuch le, outrageous, and seditious acfers! How familiarly do they Ik of the blood of whole convenons of the people! The lives of the deralists, fay the members of the olitical club of Cumberland, will arcely atone for their conduct! range excefs, of a fmall body of en, the first, throughout the union, ho have come to a refolution unfaourable to the new constitution! is a language and conduct, unwarntable in any cause: and however ley may hope it will inflame the informed part of the people, it uft have a very opposite effect on ie minds of those respectable men, ho are to compose the state convenons. All the legislatures who have et met, and every state convention 1at has taken up the constitution, ave subjected themselves, in comion with the federal convention, to ne intemperate censures and daring renaces of these writers and resolvrs, manfully despising their wild harge of conspiracy, or their wilder nd more wicked threats of bloodned. For shame, for shame, my ountrymen! do not thus throw new nd deeper difgrace upon your lready-wounded national character. Do, not thus exert every nerve to recipitate this devoted country gain into civil broils, bleeding as he yet is, from her late conflict.

A free-born American.

Philadelphia, January, 1788.

Address to the freemen of South Cavolina, on the federal constitution. Said to have been written by dr. Ramsay.

Friends, countrymen, and fellow citizens,

Y O U have, at this time, a new federal conflictution proposed for your confideration. The great importance of the subject demands your most serious attention. To assist you in forming a right judgment on this matter, it will be proper to confider,

First, It is the manifest interest of these states to be united. Internal wars among ourselves, would most probably be the consequence of disunion. Our local weakness particularly proves it to be for the advantage of South Carolina to strengthen the sederal government: for we are inadequate to secure ourselves from more powerful neighbours.

Secondly: If the thirteen states are to be united in reality, as well as in name, the obvious principle of the union will be, that the congress, or general government, should have power to regulate all general concerns. In a state of nature, each man is free, and may do what he pleafes: but in fociety, every individual must facrifice a part of his natural rights: the minority must yield to the majority: and the collective interest must controul particular interests. When thirteen persons constitute a family, each should forego every thing that is injurious to the other twelve. When feveral families constitute a parish, or county, each may adopt what regulations it pleases, with regard to its domestic affairs; but must be abridged of that liberty in other cases, where the good of the whole is concerned.

When feveral parishes, counties, or districts, form a state, the separate interests of each must yield to the collective interest of the whole.

When feveral states combine in one government, the same principles must be observed. These relinquithments of natural rights, are not real facrifices: each person, county, or state, gains more than it lofes: for it only gives up a right of injuring others, and obtains, in return, aid and Arength to secure itself in the peaceable enjoyment of all remaining rights. If then we are to be an united people, and the obvious ground of union must be, that all continental concerns should be managed by congress-let us by those principles examine the new constitution.

Look over the eighth fection, which enumerates the powers of congress; and point out one that is not essential, on the before-recited principles of union. The first is a power to lay and collect taxes, duties, imposts, and excises, to pay the debts, and provide for the common defence and general welfare of the united

flates.

When you authorifed congress to borrow money, and to contract debts, for carrying on the late war, you could not intend to abridge them of the means of paying their engagements, made on your account. You may observe, that their future power is confined " to provide for the com-" mon defence and general welfare " of the united states." If they apply money to any other purposes, they exceed their powers. The people of the united states, who pay, are to be judges how far their money is properly applied. It would be tedious to go over all the powers of congress: but it would be easy to shew, that they all may be referred to this fingle principle, " that the " general concerns of the union " ought to be managed by the ge-" neral government." The opposers of the constitution cannot shew a fingle power, delegated to congress, that could be spared, consistently

with the welfare of the whole: n a fingle one, taken from the state but fuch as can be more adva tageously lodged in the general g vernment, than in that of the fep rate states.

For instance: the states canno emit money. This is not intende to prevent the emission of pap money, but only of state paper me ney. Is not this an advantage? T have thirteen paper currencies, thirteen states, is embarrassing commerce, and eminently fo to tra vellers. It is, therefore, obvious our interest, either to have no pape or fuch as will circulate from Geo

gia to New Hampsnire.

Take another instance: the co grefs are authorifed to provide ar maintain a navy. Our fea-coast, its whole extent, needs the prote tion thereof: but if this was to l done by the states, those, who bui ships, would be more secure, the those who do not. Again: if the local legislatures might build ship of war at pleafure, the eastern wou have a manifest superiority over the fouthern states. Observe, how muc better this business is referred to the regulation of congress. A comme navy, paid out of the common tre: fury, and to be disposed of by th united voice of a majority, for tl common defence of the weaker, : well as of the stronger states, is premifed, and will refult from the fed ral constitution. Suffer not you felves to be imposed on by declam: tion. Ask the man, who objects t the powers of congress, two que tions: is it not necessary that th supposed dangerous power should t lodged fomewhere? And, fecondly where can it be lodged, confishently with the general good, fo well as i the general government? Decide fo yourselves on these obvious principle of union.

It has been objected, that the cast

states have an advantage in their refentation in congress. Let us imine this objection—the four eastflates fend feventeen members to house of representatives: but orgia, South Carolina, North Caina and Virginia, fend twenty-The fix northern states fend enty-feven, the fix fouthern thirty. both cases, we have a superiori-;-but, fay the objectors, add anfylvania to the northern states, I there is a majority against us. s obvious to reply, add Pennfylia to the fouthern states, and they e a majority. The objection ounts to no more, than, that feven more than fix. It must be own to many of you, that the fouthstates, from their vait extent of cultivated country, are daily reving new fettlers; but in Newgland, their country is fo fmall, I their land so poor, that their inpitants are constantly emigrating. the rule of representation in conis is to vary with the number of abitants, our influence in the geal government will be constantly reafing. In fifty years, it is proale that the fouthern states will re a great ascendency over the east-It has been faid that thirtymen, not elected by yourselves, y make laws to bind you. This jection, if it has any force, tends the destruction of your state gonment. By our constitution, fixnine make a quorum: of courfe. rty-five members may make a law bind all the people of South-Caina .- Charleston, and any one of : neighbouring parishes, send, collively, thirty-fix members; it is, refore, possible, in the absence of all ers, that three of the lower parishnight legislate for the whole coun-Would this be a valid objectiagainst your own constitution? certainly would not-neither is

gainst the proposed federal plan.

Learn from it this useful lesson—infist on the constant attendance of your members, both in the state assembly, and continental congress; your representation, in the latter, is as numerous, in a relative proportion with the other states, as it ought to be. You have a thirteenth part in both houses; and you are not, on principles of equality, entitled to more.

It has been objected, that the prefident, and two thirds of the fenate, though not of your election, may make treaties binding on this state. Ask these objectors—do you wish to have any treaties? They will say yes. Ask, then, who can be more properly trusted with the power of making them, than they to whom the convention have referred it? Can the state legislatures? They would confult their local interests. Can the continental house of representatives? When fixty-five men can keep a fecret, they may .- Observe the cautious guards which are placed round your interests. Neither the senate, nor president, can make treaties by their separate authority. They must hoth concur. This is more in your favour than the footing on which you now stand. The delegates in congress of nine states, without your confent, can now hind you; by the new constitution, there must be two thirds of the members prefent, and also the president, in whose election you have a vote. Two thirds are to the whole, nearly as nine to thirteen. If you are not wanting to yourselves, by neglecting to keep up the state's compliment of senators, your fituation with regard to preventing the controll of your local interests by the northern states, will be better under the proposed constitution than it is now under the existing confederation.

It has been faid, we will have a navigation act, and be restricted to

American bottoms; and that high freight will be the confequence. We certainly ought to have a navigation act: and we affuredly ought to give a preference, though not a monopo-

ly, to our own shipping.

If this state is invaded by a maritime force, to whom can we apply for immediate aid?—To Virginia and North Carolina? Before they can march by land to our affiftance, the country may be over-run. The castern states, abounding in men and in ships, can sooner relieve us, than our next door neighbours. therefore not only our duty, but our interest, to encourage their shipping. They have fufficient resources on a few months notice, to furnish tonnage enough to carry off all your exports; and they can afford, and doubtlefs will undertake to be your carriers. on as easy terms as you now pay for

On this subject, let us consider

freight in foreign bottoms.

what we have gained, and also what they have loft, by the revolution. We have gained a free trade with all the world, and confequently a higher price for our commodities. It may be faid, and fo have they. But those, who reply in this manner, ought to know, that there is an amazing difference in our favour. Their country affords no valuable exports: and, of course, the privilege of a free trade is to them of little value; while our staple commodity commands a higher price than was usual before the war. We have also gained an exemption from quit-rents, to which the eastern states were not subjected. Connecticut and Rhode Island were nearly as free, before the revolution, as fince. They had no royal governors or councils to controul them, or to legislate for them. Massachusetts and New Hampshire were much

nearer independence, in their late.

constitutions, than we were. The

gastern states, by the revolution, have

been deprived of a market for th fish, of their carrying trade, th ship-building, and almost of eve thing but their liberties.

As the war has turned out fo mu in our favour, and fo much agai them, ought we to grudge the the carrying of our produce, efficially when it is confidered, that encouraging their shipping, we crease the means of our own defence

Let us examine, also, the fede constitution, by the principles of ciprocal concession. We have le a foundation for a navigation a This will be a general good; t particularly fo to our northern b. thren. On the other hand, they ha agreed to change the federal rule paying the continental debt, : cording to the value of land, as la down in the confederation, for a ne principle of apportionment, to founded on the numbers of inha tants, in the feveral states respective This is an immense concessi in our favour. Their land is poo our's rich; their numbers grea our's fmall; labour with them done by white men, for whom th pay an equal share; while five of c negroes only count as equal three of their whites. This w make a difference of many thousar of pounds in fettling our continen accounts.

It is farther objected, that they he flipulated for a right to prohibit t importation of negroes after twent one years. On this subject, observed as they are bound to protect us freedometic violence, they think ought not to increase our exposit to that evil, by an unlimited impression of slaves. Though congramy forbid the importation of 1 groes after twenty-one years, it do not follow that they will. On to other hand, it is probable that the will not. The more rice we malthe more business will be for the

Lipping: their interest will therefore coincide with our's. Besides, we have other fources of fupply-the importations of the ensuing twenty years, added to the natural increase of those we already have, and the influx from our northern neighbours, who are defirous of getting rid of their flaves, will afford a sufficient number for cultivating all the lands in this flate

Let us suppose the union to be diffolved by the rejection of the new constitution; what would be our case? The united states owe several millions of dollars to France, Spain, and Holland. If an efficient government is not adopted, which will provide for the payment of our debt, especially of that which is due to foreigners—who will be the lofers? Most certainly, the fouthern slates. Our exports, as being the most valua-ole, would be the first objects of capture on the high feas: or descents would be made on our defenceless coalls, till the creditors of the united tates had paid themselves, at the expense of this weaker part of the union.

Let us also compare the present confederation with the proposed con-The former can neiditution. ther protect us at home, nor gain us respect abroad. It cannot secure the payment of our debts, nor command the resources of our country, in case of danger. Without money, without a navy, or the means of even supporting an army of our own citizens in the field, we lie at the mercy of every invader. Our sca-port towns may be laid under contribution, and our country ravaged.

By the new constitution, you will be protected, with the force of the union, against domestic violence and foreign invasion. You will have a navy to defend your coast .- The respectable figure you will make among the nations, will fo far command Vol. III. No. V.

the attention of foreign powers, that it is probable you will foon obtain fuch commercial treaties, as will open to your vessels the West India islands, and give life to your expiring commerce.

In a country like our's, abounding with freemen all of one rank, where property is equally diffused, where estaces are held in fee simple, the press free, and the means of information common-tyranny cannot readily find admission under any form of government: but its admission is next to impossible, under one, where the people are the fource of all power, and elect, either mediately by their representatives, or immediately by themselves, the whole of their rulers.

Examine the new constitution with candour and liberality. Indulge no narrow prejudices to the difadvantage of your brethren of the other flates; consider the people of all the thirteen states, as a band of brethren, speaking the same language, profeiling the fame religion, inhabiting one undivided country, and defigned by heaven to be one people. Confent that what regards all the states should be managed by that body which represents all of them: be on your guard against the misrepresentations of men who are involved in debt; such may wish to fee the conflitution rejected, because of the following clause, " no flate shall emit bills of credit, make any thing, but gold and filver coin, a tender in payment of debts, pass any ex post facto law, or law impairing the obligation of contracts." This will doubiless bear hard on debtors who wish to defraud their creditors: but it will be of real fervice to the honelt part of the community. Examine well the characters and circumstances of men who are averse to the new constitution. Perhaps you will find that the above recited clause is the real ground of the opposition of some of

them, though they may artfully cover it with a fplendid profession of zeal for state privileges and general

liberty.

On the whole, if the proposed constitution be not calculated to better your country, and to secure to you the blessings for which you have so successfully contended, reject it: but if it be an improvement on the present confederation, and contains, within itself, the principles of farther improvement, suited to future circumstances, join the mighty current of sederalism, and give it your hearty support. You were among the sirst state formed an independent constitution; be not among the last in accepting and ratifying the proposed plan of sederal government; it is your sheet anchor; and without it independence may prove a curse.

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Letter from dr. Rush, to dr. Ramsay.

Dear fir,

Prefume, before this time, you have heard, and rejoiced in the auspicious event of the ratification of the federal government by fix of the

united states.

"The objections, which have been urged against the federal constitution, from its wanting a bill of rights, have been reasoned and ridiculed out of credit in every flate that has adopt-There can be only two feed it. curities for liberty in any government, viz. representation and checks. By the first, the rights of the people, and by the second, the rights of representation are effectually secured. Every part of a free constitution hangs upon these two points; and these form the two capital features of the proposed constitution of the united slates. Without them, a volume of rights would avail nothing; and with them, a declaration of rights is abfurd and unnecessary: for the pcople, where their liberties are committed to an equal representation, and to a compound legislature, such as we observe in the new government, will always be the sovereigns of their rulers, and hold all their rights in their own hands. To hold them at the mercy of their servants, is disgreeful to the dignity of freemen. Men, who call for a bill of rights, have not recovered from the habits they acquired under the monarchical government of Great Britain.

"I have the fame opinion with the antifederalists, of the danger of trusting arbitrary power to any single body of men: but no such power will be committed to our new rulers. Neither the house of representatives, the senate, or the president, can perform a single legislative act by themselves. An hundred principles in man will lead them to watch, to check, and to oppose each other, so them upon the liberties of the people. If we may judge of their conduct, by what we have so often observed in all the state-governments, the members of the federal legislature will much oftener injure their constituents, by voting agreeably to their inclinations, than against them.

"But are we to confider men entrusted with power, as the receptacles of all the depravity of human nature? by no means. The people do not part with their full proportions of it. Reason and revelation both deceive us, if they are all wise and virtuous. Is not history as full of the vices of the people, as it is of the crimes of the kings? what is the present moral character of the citizens of the united states? I need not describe it. It proves too plainly, that the people are as much disposed to vice as their rulers; and that nothing but a vigorous and efficient government can prevent their degenerating into savages, or devouring each other

like beafts of prey.

"A fimple democracy has been very aptly compared by mr. Ames, of Mallachusetts, to a volcano that contained within its bowels the fiery materials of its own destruction. A citizen of one of the cantons of Switzerland, in the year 1776, refused in my prefence to drink "the commonwealth of America" as a toalt, and gave as a reason for it, "that a simple democracy was the devil's own government." The experience of the American states, under the prefent confederation, has, in too many inflances, justified these two accounts of a simple popular govern-

"It would have been a truth, if mr. Locke had not faid it, that where there is no law, there can be no liberty; and nothing deferves the name of law but that which is certain, and universal in its operation, upon all the members of the commu-

To look up to a government that establishes justice, insures order, cherishes virtue, secures property, and protests from every species of violence, affords a pleasure that can only be exceeded by looking up, in all circumstances, to an over-ruling providence. Such a pleafure, I hope, is before us and our posserity, under the influence of the new govern-

"The dimensions of the human mind are apt to be regulated by the extent and objects of the government under which it is formed. Think then, my friend, of the expansion and dignity the American mind will acquire, by having its powers transferred from the contracted objects of a flate, to the more unbounded objects of a national government!-A citizen and a legiflator of the free and united flates of America, will be one of the first characters in the world.

"I would not have you suppose, after what I have written, that I be-

lieve the new government to be without faults. I can fee them-yet not in any of the writings or speeches of the persons who are opposed to it. But who ever faw any thing perfect come from the hands of man? it realises, notwithstanding, in a great degree, every with I ever entertained, in every stage of the revolution. for the happiness of my country; for you know, that I have acquired no new opinions or principles, upon the subject of republics, by the forrowful events we have lately witneffed in America. In the year 1776, I loft the confidence of the people of Pennsylvania, by openly exposing the dangers of a simple democracy, and declaring myfelf an advocate for a government composed of three legislative branches.

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Address to the people of Maryland. THE following facts, disclosing the conduct of the late convention of Maryland, are submitted to the serious confideration of the citizens of the state.

On Monday, the 21st of April, the convention met in Annapolis, and elected the honourable George Plater, esq. president. On Tuesday, they established rules for the conduct of business; and, on the same day, the following quest on was propounded to

the convention:

"When a motion is made and feconded, the matter of the motion shall receive a determination by the question, or be postponed, by general confent, or the previous question. before any other motion shall be received."

And the following question, viz.

" Every question shall be entered on the journal; and the year and nays may be called for, by any member, on any question, and the name of the member requiring them, shall be entered on the journal.

Which two questions, the convention determined in the negative.

On Wednesday, the proposed plan of government was read the first time, and thereupon it was resolved, "That this convention will not enter into any resolution upon any particular part of the proposed plan of sederal government for the united states: but that the whole thereof shall be read through a second time, after which, the subject may be fully debated and considered; and then the president shall put the question, "That this convention do affent to and ratify the same constitution." On which question, the yeas and nays shall be taken.

On Thursday, the members who were opposed to the ratification of the constitution, without such previous amendments could be obtained, as they thought effentially necessary to secure the liberty and happiness of the people (being confined by the last resolution to consider in one view the whole of the plan of government) flated some of their objections to the constitution. " The convention met in the evening, when mr. Paca, member from Hartford, having just taken his feat, rose, and informed the president, that he had great objections to the conflitution proposed, in its present form, and meant to propole a variety of amendments, not to prevent, but to accompany the ratification; but, having just arrived, he was not ready to lay them before the house; and requested indulgence until the morning, for that purpose. The proposal being feconded, and the house asked if they would give the indulgence, it was granted without a division, and they adjourned for that purpose. On Friday, at the meeting of the house, mr. Paca rose, and informed the prefident, that, in consequence of the permission of the house, given him the preceding evening, he had pre-

pared certain amendments, which he would read in his place, and then lay on the table, when he was interrupted, and one member from each of the following counties, viz. Frederic, Talbot, Charles, Kent, Somerfer, Prince George's, Worcester, Queen-Ann's, Dorchester, Calvert, and Caroline, and one member from the * city of Annapolis, and one from Baltimore-town, arose in their places, and declared, for themselves and their colleagues, "that they were eletted and instructed by the people they represented, to ratify the proposed constitution, and that as speedily as possible, and to do no other act; that after the ratification, their power ceased, and they did not confider themselves as authorized by their constituents to consider any amendments." After this, mr. Paca was not permitted even to read his amendments. The opponents continued to make their objections to the constitution, until Saturday noon. The advocates of the government, although repeatedly called on, and earnellly requested, to answer the objections, if not just, remained inflex-ibly filent, and called for the questi-on, that "the convention assent to and ratify the proposed plan of federal government for the united states." Which was carried in the affirmative. by fixty-three to eleven.

The vote of ratification having thus paffed, mr. Paca again rofe, and laid before the convention his propositions for amending the confliction thus adopted, which he had prepared

NOTE.

* The member from the city of Annapolis, did not give it as his opinion, that he was not at liberty to confider amendments; but faid he had confulted his colleague, and that his colleague had informed him, the citizens were against amendments.

ave of the house; declaring that d only given his affent to the nment under the firm persualind in full confidence, that fuch dments would be peaceably ob-I, as to enable the people to happy under the government: he people of the county he rested, and that he himself, would rt the government with fuch Iments; but, without them, not n in the state, and no people, I be more firmly opposed to it nimfelf and those he represented. ments highly favourable to amen's were expressed, and a gemurmur of approbation feemed e from all parts of the house, flive of a defire to confider anents, either in their characters nbers of convention, or in their dual capacities as civizens; and estion was put on the following

Refolved, That a committee be nted to take into confideration sport to this house on Mondaying next, a draught of such diments and alterations as may be ht necessary, in the proposed tution for the united states, to ommended to the confideration people of this state, if approving this convention; and mr.

mr. Johnson, mr. S. Chase, otts, mr. Mercer, mr. Goldf, gh, mr. J. Tilghman, mr. mr. J. T. Chase, mr. Lee, V. Tilghman, mr. M'Henry, nr. G. Gale, he appointed a

division was called for on this tion, when there appeared fixtyembers for, and not more than

against it.
d then it was resolved, "That
nendments proposed to the conon by the delegate from Hartcounty should be referred to the

committee."
e committee thus appointed, the

convention adjourned to give them time to prepare their propolitions; and they proceeded, with every appearance of unanimity, to execute the trust reposed in them.

The following amendments to the proposed constitution were separately agreed to by the committee, most of them by an unanimous vote, and all of them by a great majority.

1. That congress thall exercise no power, but what is expressly delegated by this constitution.

By this amendment, the general powers given to congress by the first and last paragraphs of the 8th sea. of the 6th article, would be in a great measure restrained; those dangerous expressions, by which the bills of rights and constitutions of the several states may be repealed by the laws of congress, in some degree moderated, and the exercite of constructive powers wholly prevented.

2. That there shall be a trial by jury in all criminal cases, according to the course of proceeding in the share where the offence is committed; and that there be no appeal from matter of sach, or second trial after acquittal; but this provision shall not extend to such cases as may arise in the government of the land or naval forces.

3. That in all actions on debts or contracts, and in all other controverfies respecting property, of which the inferior federal courts have jurifdiction, the trial of facts shall be by jury, if required by either party; and that it be expressly declared, that the flate courts, in such cases, have a concurrent jurisdiction with the federal courts, with an appeal from cither, only as to matter of law, to the superior federal court, if the matter in dispute be of the value of dollars.

4. That the inferior federal courts shall not have jurisdiction of less than

dollars: and there may be an appeal in all cases of revenue, as well to matter of fact as law; and congress may give the state courts jurisdiction of revenue cases, for such sums, and in such manner, as they may

think proper.

5. That in all cases of trespasses done within the body of a county, and within the inferior sederal jurisdiction, the party injured shall be entitled to trial by jury in the state where the injury shall be committed; and that it be expressly declared; that the state courts, in such cases, shall have concurrent jurisdiction with the sederal courts; and there shall be no appeal from either, except on matter of law; and that no person be exempt from such jurisdiction and trial, but ambassadors and minissers privileged by the law of nations.

6. That the federal courts shall not be entitled to jurisdiction by sictions or

collusion.

7. That the federal judges do not hold any other office of profit, or receive the profits of any other office under congress, during the time they

hold their commission.

The great objects of these amendments were ill. To fecure the trial by jury in all cases, the boasted birthright of Englishmen, and their descendants, and the palladium of civil liberty; and to prevent the appeal from fact, which not only destroys that trial in civil cases, but, by con-Bruction, may also elude it in criminal cases; a mode of proceeding both expensive and burdensome, and which by blending law with fact, will de-Broy all check on the judiciary authority, render it almost impossible to convict judges of corruption, may lay the foundation of that gradual and filent attack on individuals, by which the approaches of tyranny become irrefissible. 2d. To give a concurrent jurisdiction to the state

courts, in order that congress me be compelled, as they will be the present form, to establish in federal courts, which, if not n ous, will be inconvenient, and merous, very expensive; the ci flances of the people being uneq increased expense of c courts, and double officers; a rangement that will render the ! complicated and confused, that men can know how to conduct felves with fafety to their perfproperty, the great and only se of freemen. 3dly. To give su risdiction to the state courts. transient foreigners, and person other states, committing injuri this state, may be amenable t state whose laws they violate. whose citizens they injure. 4t prevent an extension of the I jurisdiction, which may, and probability will, fwallow up th jurisdictions, and consequently those rules of descent and regu of personal property, by which hold their eflates; and laftly, cure the judependence of the ! judges, to whom the happiness people of this great continent v fo greatly committed by the ext

powers assigned them.

8. That all warrants without or affirmation of a person confoully serupulous of taking an orienter fusion or his property, are grand oppressive: and all general rants to search suspected places, apprehend any person suspected, out naming or describing the plerson in special, are dangeroulought not to be granted.

This amendment was confindifipensable by many of the mittee; for congress having the of laying excises, the horror of people, by which our dwelling he those castles considered so fact the English law, will be laid

ie infolence and oppression of , there could be no constituti-check provided, that would e so effectual a safeguard to our ins. General warrants, too, the engine by which power may by those individuals who refift nation, are also hereby forbid to magittrates who are to adminihe general government.

That no foldier be enlisted for ger time than four years, except ne of war, and then only during

. That foldiers be not quartered ne of peace upon private houses, out the confent of the owners.

. That no mutiny bill continue rce longer than two years.

refe were the only checks that be obtained against the unlimitower of raising and regulating ing armies, the natural enemies edom: and even with these reions, the new congress will not ider such constitutional restraints e parliament of Great Britainints, which our ancestors have to establish, and which have hio preserved the liberty of their rity.

. That the freedom of the press

iviolably preferred.

profecutions in the federal courts ibels, the conflitutional prefervaof this great and fundamental , may prove invaluable.

1. That the militia shall not be ect to martial law, except in time rar, invasion, or rebellion.

his provision to restrain the powof congress over the militia, algh by no means fo ample as that ided by magna charta, and the r great fundamental and conflitual laws of Great Britain, (it becontrary to magna charta, to pua freeman by martial law in time peace, and murder, to execute) yet it may prove an inellimable ik; for all other provisions in

favour of the rights of men, would be vain and nugatory, if the power of fubjecting all men, able to bear arms, to martial law at any moment, should remain velted in congress.

Thus far the amendments were agreed

The following amendments were laid before the committee, and negatived by a majority.

1. That the militia, unless selected by lot, or voluntarily enlifted, shall not be marched beyond the limits of an adjoining state, without the cenfent of their legislature or executive.

2. That the congress shall have no power to alter or change the time, place, or manner of holding elections for senators or representatives, unless a state shall neglect to make regularions, or to execute its regulations, or shall be prevented by invasion or rebellion; in which cases, only, congress may interfere, until the cause be removed.

g. That in every law of congress, imposing direct taxes, the collection thereof shall be suspended for a certain reasonable time, therein limited; and on payment of the sum by any state, by the time appointed, such taxes shall not be collected.

4. That no flanding army fhall be kept up in time of peace, unless with the consent of two thirds of the members present, of each branch of com-

gress.

5. That the president shall not command the army in person, without the

consent of congress.

6. That no treaty shall be estermal to repeal or abrogate the conflictions or bills of rights of the flates, or any part of them.

7. That no regulation of commerce or navigation act, shall be made, unless with the consent of two thirds of the members of each branch of com-8. That no member of congress

shall be eligible to any office of pro-

fit under congress, during the time for which he shall be appointed.

9. That congress thall have no pow-

er to lay a poll-tax.

to. That no person conscientions for upulous of 'a aring arms in any case, shall be compelled personally to serve as a soldier.

11. That there be a responsible

council to the president.

12. That there be no national religion established by law; but that all persons be equally entitled to protecti-

on in their religious liberty.

13. That all imposts and duties laid by congress shall be placed to the credit of the state in which the same shall be collected, and be deducted out of such state's quota of the conmon or general expenses of government.

14. That every man hash a right to petition the legislature for the redress of grievances, in a peaceable and or-

derly manner.

15. That it be declared, that all perions entrulled with the legislative or executive powers of government, are the truftees and fervants of the public, and, as fuch, accountable for their conduct. Wherefore, whenever the ends of government are perverted, and public liberty manifestly endangered, and all other means of redress are ineffectual, the people may, and of right ought to reform the old, or establish a new government: the doctrine of non-relitance against arbitrary power and oppression, is absurd, stavish, and destructive of the good and happiness of mankind.

The committee having proceeded this far, all the members who voted for the ratification, declared, that they would engage themselves under every tie of honour, to support the amendments they had agreed to, both in their public and private characters, until they should become a part of the general government; but a great majoity of them insilted on this express

condition, that none of the propol ons rejected, or any others, flould laid before the convention for the confideration, except those the comittee had to agreed to.

The gentlemen of the minor who had made the propositions wh had been rejected, reduced to the cessity of accommodating their fer ments to the majority, through fear obtaining no fecurity whatever for people-notwithstanding they con dered all the amendments as hig important to the welfare and hap ness of the citizens of the states. to conciliate, they agreed to conf themselves to the first three of the propositions, and sole unly declared a pledged themselves, that if these we added, and supported by the oil gentlemen, they would not only ce to oppose the government, but g all their affistance to carry it it execution, so amended. they only required liberty to take t fense of the convention on the thi first propositions, agreeing that the would hold themselves bound the decision of a majority of the body.

The first of these objections, co cerning the militia, they considered essential; for to march beyond the mits of a neighbouring state, the gneral militia, who consist of so marpoor people that can illy be spar from their families and domestic co cerns, by power of congress, who could know nothing of their circur stances, without consent of their ow legislature or executive, ought to legislature.

restrained.

The second objection, respecting the power of congress to alter election they thought indispensable. Monte quieu says, that the rights of election thould be established unalterably be fundamental laws, in a free government.

The third objection, concerning previous requificien, they conceive

ighly important; they thought if ioney, required by direct taxation, old be paid with certainty and in ue time to congress, that every good insequence would be secured to the nion, and the people of the state ereby relieved from the great insolvenience and expence of a double illection and a double set of tax-galerers; and they might also get rid f those odious taxes by excise and oll, without injury to the general overnment.

They were, however, again pro-

osed and rejected.

Affirmative—Mr. Paca, mr. Johnm, mr. Mercer, mr. J. T. Chafe,

ir. S. Chase.

Negative—Mr. Lee, mr. Potts, 1r. Goldsborough, mr. J. Tilghtan, mr. W. Tilghman, mr. Hann, mr. G. Gale, mr. M'Henry. Previous to this, a motion was made in Monday the 29th, in the convention, while the committee were fitting, in the following words, to wir: Resolved, that this convention will onsider of no propositions for amendment of the sederal government, exept such as shall be submitted to hem by the committee of thirteen."

The committee being fent for by he convention, the gentlemen of the najority in committee then determined, that they would make no report of any amendments whatever, not even of those which they had almost unanimously agreed to, and the committee, under those circumstances, attended the house. Mr. Paca, as chairman, stated to the convention what had paffed in the committee; read the amendments which had there been agreed to; and affigued the reason why no report had been formally made. A member then rose, and proposed that a vote of thanks to the president, which had been once read before the attendance of the committee, should have a second reading; and upon the fecond reading thereof,

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the previous question was called for by the members who wished to confider the amendments agreed to by the committee, and such other amendments as might be proposed. The house thereupon divided, and the yeas and nays were called for by the minority; the sense of the convention was taken thereon: and a majority determined that the yeas and nays should not be taken, nor would they permit the vote to be entered on the journal, by which the yeas and nays were prohibited: to preclude the consideration of any amendments.

A motion was then made, "that the convention adjourn without day," on which the yeas and mays were taken, and appeared as follow:

AFFIRMATIVE. The honourable the prefident, messrs. Barns, Chilton, Sewell, W. Tilghman, Yates, Granger, Chesley, Smith, Brown, Turner, Stone, Goldsborough, Stevens, G. Gale, Waggaman, Stewart, J. Gale, Sulivane, Shaw, Gilpin, Hollingsworth, Heron, Evans, O. Sprigg, Hall, Diggers, Hanson, J. Tilghman, Hollyday, Hemsley, Morris, Lee, Potts, Faw, J. Richardson, Edmondson, M. Henry, Coulter, T. Sprigg, Stull, Rawlins, Shryock, Cramphin, Thomas, Deakins, Edwards.

wards. 47.
NEGATIVE. Meffrs. Perkins,
J. T. Chafe, S. Chafe, Mercer, Wilkinfon, Grahame, Parnham, Ridgely,
Cockey, Cromwell, Lloyd, Hammond, Bowie, Carroll, Seney, Chaillé, Martin, Done, Johnfon, Paca,
Love, Pinkney, L. Martin, W. Richardfon, Driver, and Harrifon. 27

We confider the proposed form of national government as very defective, and that the liberty and happiness of the people will be endangered if the system be not greatly changed and altered. The amendments agreed to by the committee, and those proposed by the minority, are now laid before you for your considerate.

tion, that you may express your sense as to such alterations as you may think proper to be made in the new

constitution.

We remain perfuaded, that the importance of the alterations propofed, calculated to preferve public liberty, by those checks on power which the experience of ages has rendered venerable, and to promote the happiness of the people by a due attention to their ease and convenience, will justify the steps we have taken to obtain them, to our constituents, and the world.

Having no interest that can distinguish us from the rest of the community, we neither fear censure, nor wish applause. Having thus discharged the duty of citizens and trustees of the public, we shall now subject to the people those precautions and securities, which, after mature reslection on this momentous subject, we deem necessary for their fasety and happiness.

May that all-wife and omnipotent Being, who made us masters of a fair and fruitful empire, inspire us with wisdom and fortitude to perpetuate to posterity that freedom which we

received from our fathers!

William Paca, Samuel Chase, Members of John F. Mercer, the com-Jeremiah T. Chase. mittee. John Love, Charles Ridgely, Edward Cockey, Mem-Nathan Cromwell, bers of Charles Ridgely, of Wm. conven-Luther Martin, tion. Benjamin Harrison, William Pinkney.

Mr. Printer ,

IN the address to the people of Maryland there is a mistake, relative to the declaration of the member from the city. His meanin was, and he thinks his express word were, that upon confulting his col league respecting amendments to the federal government, he was of opi nion, that the representatives of th city were not authorized to confider or agree to amendments; and not that the citizens were against any the expression used in the above ad dress. His colleague observed, tha the matter had never been submitte to their constituents, and they hav ing made no express declaration, h did not confider the delegation c the city at liberty to act in this par ticular. It may be remembered that this declaration of the member fror the city was made at that period when the idea was, that the amend ments agreed to, should accompan the instrument of ratification to New York, and not in the latter stage o the business, when that idea wa dropped, and it was proposed to re fer them to the confideration o the people, from whom, if approve of, they were to pass to congres through the medium of the legisla ture. — Annapolis, May 7, 1788.

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Address to the honourable the members of the convention of Virginia.—Ascribed to T. C. esq.

Py the special delegation of the people of your respectable commonwealth, you are shortly to determine on the sate of the proposed constitution of sederal government. First invited to that important measure by the resolutions of your legislature, from the wisest considerations, America, considing in the steadines of your patriotism, and feeling that new weight is daily given to your original inducements, doubts not it is now to receive your sanction. But before the awful determination which

to call the American union once nore into political existence, shall be nally taken, permit one of the most espectful of your countrymen to trefass a few minutes on your time and attence.

The qualities of the proposed government have been so fully explained, and it will receive such further xposition in your honourable body, hat it is needless to attempt a reguar discussion of the subject. This paer shall, therefore, be confined to a ew particular considerations, that ave been already mentioned by thers, or which may now be sug-

ested for the first time.

It has been urged, by fome fensible nd respectable men, that your extenve state will not be properly repreented in the federal senate. Permit ne to remind you, that, altho' you ave but one vote of thirteen in the refent union, you will have twelve n ninety-one in the new confederacy. luffer me to observe, too, that, as he united states are free governments, t might not have been very unreaonable, if the people of Virginia ould have given only the fame numper of votes, at an election for federal surposes, as they can give at a state election. If the citizens of Virginia ind it wise and prudent, that free persons only shall be taken into conideration, in electing their state legifature, would it appear extraordinary, that the citizens of the united states hould think the fame rule proper in electing the federal representatives? By the present arrangement, you may enjoy the weight and power of five rotes and a half for 168,000 flaves, being three fifths of your whole numper of blacks. Were these to be delucted from the votes of Virginia, n the federal house of representatives, t would leave little more than one rote in thirteen, in that house. In the present congress, as before obserred, and in the proposed senate, a thirteenth vote is allotted to Virginia* Taking the number of free citizens, which is the proper rule of representation in free governments, Virginia, in the federal representation, would have about as many votes as New York, and fewer than Massachusetts or Pennfylvania. It will be proper to confider, too, the effect of the erection of Kentucke into a separate state, and of her becoming another member of the new confederacy. When that certain event shall take place, Virginia will fall confiderably short of the proportion of one in fourteen of the free white inhabitants of the united states. Impartially confidering this true state of things, the opinion, that Virginia will hold a share of the powers of the new government, lefs, than she is entitled to, will appear to be erroneous. If, on examination, these facts shall be found to be stated with accuracy and candour, and the observations and reasonings upon them shall appear just and fair, we confidently trust your honourable house will not consider the proposed conflitution as exceptionable in that particular.

Objections have been made, by fome very respectable gentlemen of your state, to the power of congress, under the new federal conflitution, to regulate trade " by a bare majority." In a free government, the voice of the people, expressed by the votes of a majority, must be the rule; or we shall be left without any certain mode to determine what is politically right. To depart from it, is establishing tyranny by law. It would be a solemn renunciation of the forms and substance of liberty; and our affairs, on this dangerous principle, must rapidly hasten to an oligarchy—the most dreadful of all governments. It would be in vain to fay we might be restrained by one third, in commercial cases, and free in all others. The precedent once established, it requires

no prophetic gift to foresee where it would end. But, independent of the violation of this great principle of free governments, the objection and the apprehensions arising from it are founded on a misconception of the true nature of affairs in all the states. The landed interest must ever possess a commanding majority in the state and federal legislatures. It was supposed the objection ought to have great weight in the five fouthern states. But we do not find it has been even mentioned, in the Maryland or Georgia conventions, the only two of them which have yet determined on the constitution, nor was it noticed in New Jersey or Delaware, which are the least commercial members of the confederacy. Four of the agricultural states have confidered this objection and these fears as unfounded, for they have adopted the constitution with only eleven diffentient votes.

The rejection of the government by the state of Virginia, should eight states have previously adopted it, is a matter (permit me respectfully to observe) the possible confequences of which should be most feriously considered. Should a ninth state ratify the constitution, after you have declined to do fo, it will become a binding compact—an operative fystem. The American states would deeply regret a circumstance, that should place a most respectable member of the present union, and a natural born elder fifter, in the character of an alien: and a late and reluctant adoption, not arising altogether from free choice and national affection, would exceedingly abate that cordial joy, which will flow throughout the land at the early adoption of the proposed constitution by your ancient state, whence the first call to independence was boldly given, and whence first arose this great attempt to cement and invigorate the union.

The united states, whatever ha been the cause of past events, may certainly become a nation of grea respectability and power. But such is the effect of our distracted politics and of the feebleness of our genera government, that foreign powers o penly declare their unwillingness to treat with us, while our affairs re main on the present footing. How ever favourable or friendly they mathink our intentions towards them they know we have not constitution al powers to execute our own defires even within our own dominions Senators of no inconfiderable reputa tion in the British parliament hav told the world, they can make n - fixed arrangements with us, unde the present confederation. The mi nisters of France, which nation ha lately evinced the continuance of he friendship, by new privileges to ou trade, declare they cannot proceed t the extent of their defires, fince n power exists to treat upon national ground. The court of Spain, too however they might be influenced by a firm and respectable union, wil never listen to our demands for th navigation of the Mississippi, whill we remain in our present unconnect ed situation. We are no object ever of respect to them, much less of ap prehension; and should the present constitution be rejected, they wil laugh at all future attempts to continue or invigorate the union Our minister, at that court, expect to effect no arrangements there, with out an efficient government being first adopted here.

It has been objected to the proposed federal constitution, that itends to render our country mor vulnerable, by admitting the furthe importation of slaves. To perfor not accurately acquainted with the whole of the American constitutions this objection may appear of weigh ut when it is canvassed before it

lightened an affembly as the conntion of Virginia, the mistake will ; instantly discovered. It will be membered that ten of the states, and irginia among the number, have ready prohibited the further imortation of flaves, and that the owers of the legislature of each state, en after the adoption of the constituon, will not only remain competent the prohibition of the flave trade, it (if they find the measure wife id-fafe) to the emancipation of the aves aiready among us. It may be lded further, that the exercise of this ower of the flate governments can i no wife be controuled or restrained y the federal legislature.

Should the present attempt to inife new vigour into the general goernment fail of fuccess, partial conderacies must at once follow. ates on the Delaware, central in ieir situation, and (though not sperabundantly rich) perfectly indeendent in their resources, will find semselves bound together by their ofition on the globe, by a perfect milarity of manners and interests, y the preservation of their common eace and fafety, and by the innumeable ties of blood and marriage subfting between them. A frank and iberal concession of the impost on the part of Pennsylvania, will render the nducements complete. The fentinents of the state of Maryland on he proposed government, and their exsting connections with Penntylvania and Delaware, from each of which hey are divided only by an imagilary line, will turn their inclinations hat way. Rather than connect themelves with a fouthern country, beween which and them a great natual boundary is interposed, and which is rendered vulnerable, by two hundred and eighty thousand slaves, they will find it prudent, as well as agreeable, to join their northern neighbours. Should Pennfylvania offer to aggrandize the ports of Maryland, by opening to her the extensive navigation of the Sufquehanna, whose various branches water many millions of acres of fertile lands, prudence and interest will powerfully persuade Maryland to join the middle confederacy. Should the views and propositions of this central and confolidated connexion be liberal and just, accessions of very confiderable importance may be hoped for from the northern and fouthern states. What particular benefits then can Virginia reasonably expect from that diffolution of the confederacy, which must follow the rejection of the proposed plan?

The various parts of the Nortle American continent are formed by nature for the most intimate union. The facilities of our navigation render the communication between the ports of Georgia and New Hampshire infinitely more expeditious and practicable, than between those of Provence and Picardy, in France; Cornwall and Caithness, in Great Britain; or Galicia and Cata-Ionia, in Spain. The canals, proposed at South-key, Susquehanna, and Delaware, will open a communication from the Carolinas to the western counties of Pennsylvania and New York. The improvements of the Potowmack will give a passage from those fouthern states to the western parts of Virginia, Maryland, Pennsvlvania, and even to the lakes. The canals of Delaware and Chefapeak will open the communication from South Carolina to New Jerley, Delaware, the most populous parts of Pennfylvania, and the midland counties of New York. . These important works might be effected for two hundred thousand guineas, and America would thereby be converted into a clufter of large and fertile iflands, eafily communicating with each other, without expence, and, in

many instances, without the uncertainty or dangers of the sea. The voice of nature therefore directs us to be affectionate affociates in peace, and firm supporters in war. As we we cannot mistake her injunctions, to disobey them would be criminal.

The diffracted state of our affairs has exceedingly retarded population and manufactures, and interrupted the influx of knowledge and riches. At the return of peace, the European world viewed America with the tender and respectful admiration of a lover to his mistress. peafantry and manufacturers, their merchants and philosophers, were feized with an irrefistible defire to visit our shores, and many of them looked towards this country as another land of promise, to spend the remainder of their days. What has prevented their realifing these fond ideas? The infecurity of property, the breach or fuspension of public and private obligations, paper tenders, infurrections against state governments of our own choice, contentions among the states, and a total difregard of the most falutary and just demands of the general government. They knew us to be a people capable of great exertions. They saw we possessed a country replete with the means of private happiness and national importance, but they faw too that these inestimable properties of the Americans and their dominions were not brought into any use, from the defects of our political arrangements, and the enormous abuses in our administration. Their beloved mistress having fallen from the heights of virtue, and become a wanton, they turned from her with difgust and bitterness. friends of religion and morality! ye lovers of liberty and mankind! will ye not feize this opportunity proffered you by the bounty of heaven, and fave your country from contempt and wretchedness?

The voice of the people, fay 1 most noble champions of freedom. the voice of God. Before the ra fication of the new government the state of Maryland, the constients of the conventions, which h then adopted it, were a majority the free people of the united Rat Viewing us as one nation, the cc stitution had then received the 1 lemn authoritative fanction of t people. But as Maryland has fin added her number, and as it is ne to certain that the adoption of Sou Carolina will take place before t rifing of your honourable house, y will view the constitution as rati ed by nearly two thirds of the unic After that event, you will find, to that of eight conventions, whi have determined on it, all have ven it their approbation, and amor them, two, containing larger nur bers of free citizens than any three th are yet to decide. Rhode Island, v know, has rejected the governme in an informal way; but we cann injure you, even for a moment, 1 fupposing that their principles ar conduct could ever have infinuate themselves into your minds. trust you will concur with us i thinking, that as the confiderate al probation of the wife and good is fair argument in favour of a publ: measure, so is its deliberate rejectic by the weak and wicked.

The capacities of fome parts of America are admirably adapted the fupply the wants of others. Note that the fupplies with both by the middle flates. Possessed of the fisheries, and frongly inclined to ship building and navigation she can be furnished with the choicest timber from the Carolinas and Georgia. The southern states, so interfected by great waters, as to lie exposed to the depredations of the most contemptible fleets, and crouded with a danger

s species of population, when proc arrangements shall be made, and casion shall require, can rely on most useful and friendly aid om the north. The future wars long the naval powers of Europe Il probably be general. house of Bourbon shall contend th Great Britain for the dominiof the ocean, Holland, Sweden, nmark and Portugal, will feldom unconcerned spectators. ofperity of agriculture in the thern states, in the event of a geral war in Europe, will depend on : shipping of the middle and east-I states; for the belligerent powwill navigate under a very high urance, and their ships will moreer be a precarious dependence, m the innumerable accidents of It may be faid, the fouthern tes will have shipping of their n, of which there can be no doubt, far as the state of commerce may ider them profitable in time of ace; but the fudden and vigorous ertions of the states inhabited by e whites, can alone furnish an imdiate supply for the retiring ves-

s of the belligerent foreigners. Were we to suppose for a moment it Virginia had rejected the profed constitution, and that Geor-1. South Carolina, and Maryland re members of the new confedey, the agricultural interests of Virnia would be exceedingly injured. ne supplies of tobacco, furs, wheat, ur, cotton, corn, naval stores and nber, required for the confumpti-, manufactures, and ships of the w union, would doubtless be taken im the states that should belong to while the interfering produce of rginia probably would not be adtted; or, if admitted, would be lile to the foreign impost of five per it. Every hundred of her tobacco ould pay one fourth of a dollarin ston, New York or Philadelphia,

every barrel of her flour one fifth of a dollar, every hundred weight of her cotton a dollar and two thirds. every bushel of her wheat, above two pence sterling; a tax greatly superior in value to the revenue imposed, under her prefent laws, on the exportation of her own produce. fides this, the expence of maintaining a separate establishment in government at home and abroad would come heavily on Virginia and thofe states that might join a small confederacy. This expence, we may almost venture to affirm, would be infupportable, especially when we confider the present state of money matters in every part of America.

Should Virginia entertain the idea of a finall confederacy, would it not be wife to confider, who would probably unite in it, and upon what terms? From the debates in the Connecticut and Massachusetts conventions, as well as the dispositions and habits of those genuine republicans, is it probable that they would confent to give you a share of power, greater than your proportion of free white inhabitants? or is it probable, that your nearest neighbour, North Carolina, would confent to it, without your paying into the common treasury the neat proceeds of all duties on imports and exports, a great part of which is raised on their consumption of foreign articles, and the produce of their farms? It would now be in vain, should New York refuse a share of her impost to Connecticut and New Jersey, or Pennsylvania a share of hers to New Jersey and Delaware; or Virginia a share of hers to North Carolina. It is an idea as just, as it is generous and liberal, that the imposts of the united states should go into a common treasury, belonging to all who pay them, by being the confumers: and if North Carolina has a clear conception of her most evident interests, she must make this article a sine qua non in any compact that may be proposed to her

by your state.

It will be urged, perhaps, that property should be represented, and that the' Virginia has only 252,000 free inhabitants, your representation should still be greater than that of Massachusetts and Pennsylvania, because you are richer. But furely this argument will not be urged by the friends of equal liberty among the people. It will not be openly objected against the proposed constitution, that it fecures the equal liberties of the poor. But suppose for a moment, a claim for a representation of property were admissable before an affembly of the free and equal citizens of America, will not Virginia enjoy the advantage of two votes more in the federal government than either Massachusetts or Pennsylvania, though each of those states has 108,000 free citizens more than yours? If we were represented by that only rule of republics, for your ten reprefentatives, Massachusetts would have more than fourteen, and Pennfylvania the fame number, while both of them are limited to eight. Here then we fee the balance of property, faid to be in favour of Virginia, has procured her three fourths as much extra power, as the lives, liberties and property of all the people of Mailachufetts or Pennsylvania. Power has been given to your state with no sparing hand. You (fuffer me respectfully to fay fo) of all the members of the union, appear to have the least cause of complaint. Permit me to remind you of the objections made on this ground by mr. Martin, of Maryland. The opposition there asferted that the great states had too large a share of power; and you have the most of all. The same sentiments were urged in the Connecticut convention. Is it probable then that an

allotment of power more favourab to you would be made by a new cor vention? I fubmit to your candot whether you ought to ask a greate share. A comparison, in point of wealth and refources, between voi state and any other, is a matter wish to touch with delicacy. I mea not to offend, but you would despi a freeman, that would decline the de cent expression of his thoughts on 1 momentous an occasion. I woul fubmit to you, whether the energy of 250,000 whites in a fouthern cl mate, furrounded by more than : many flaves, can be, or rather is equal to that of the fame number i a northern climate? Whether two three negroes in Virginia will 1 found equal to one yeoman or mani facturer of Pennsylvania or Mass chusctts? Whether the ships, me cantile capitals, houses, and monie corporations of Philadelphia, wit her growing manufactures and con nexions in foreign commerce, ma not be placed in the scale against the balance of wealth you may I thought to possess, when Kentuck shall become an independent member of the American union.

But, gentlemen, it will be impre per to trespass longer on your value ble time, devoted as it is to the mc important concerns of Virginia,-America,-and mankind. Let me in treat you only to bear in mind th wide difference that exists in the op nions and views of those who oppo the new constitution. You will fir they differ as much from each othe as they dissent from the friends of th plan. Were there no other people i America but the opposers of the pro posed government, it will appear, c a fair statement of their various viev and objections, that any constitution which could be formed, on the princ ples of those in some states, would me with as much disapprobation by tho in others, as they have deemed it no

sary to shew to the propositions of e federal convention. Confider en, in the event of your rejection, what a condition we shall be left into what a fituation we may be rown! thirteen jarring fovereigns-two or three contending conferacies—or a feeble union—will be e miserable and hopeless alternaes. The measure of foreign connpt will be filled up. Infult will turally follow, and then injuries road-while the certain dangers to erty, property, and peace, at home, Il fink every American, however m, into despondency, or drive him despair. But this will be too much. The convention of Virginia will ver be instrumental in bringing ch evils on the united states. No.e will confidently hope that those iong you, who do not altogether prove the proposed government, Il yet concur in the measure, to ve their country from anarchy and in. They will remember the prosion to obtain amendments, and Il recollect that the power will conme with the people at large in all ie to come. May 21, 1788.

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marks on the conduct of Spain, with respect to the navigation of the river Mississippi.

COMPANY of about forty persons set off early last sumer from Augusta, for the Natchez; ey went through the Creek's towns, ho not knowing who they were, nor eir business, suffered them to pass ithout molestation; but soon sent a try after them, to cut them off: uppily our people had got into the ains, on the western side of the ountains, before the Indian party uld come up with them; disappinted in their expectation of waying them in the defiles, they dropt e pursuit.

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On their arrival at the Natchez, they found the garrison of the fort to consist only of a captain's command, about forty men. The lieutenant governor was rather alarmed at their visit, and in a short time a reinforcement of three hundred regulars came up. The first uneasines of the commandant having subsided, our people were treated with politenes, but not suffered to do any business with the inhabitants, especially in the land way.

By what could be learned from the lieutenant governor, they had no prohibition from the court of Spain, to deliver up the fort and the territory on the Miffifippi, down to the 31° north latitude; but at the fame time, they had received no orders for complying with that part of the last general treaty of peace.

The commandant, by way of conversation, assured our people, that if the ministry of Spain knew, as well as he did, the value of that most fertile country, they would never give it up, until driven from it by a superior force: a spirited American gentleman replied to him, " it would a very impolitical step; for should the united states be compelled to be at the expence of fending an army to possess themselves of the Natchez (their undoubted right) he could not expect the Americans would ftop at the 31° latitude; that nothing short of all West Florida, down to the very mouth of the Mississippi, would fatisfy them for the unneceffary expence they would have been put to, by the noncompliance of Spain with the treaty."

The Spaniards claim all the territory lying west of the Apalachian mountains, as far up as the mouth of the Ohio, comprehending the back parts of Georgia, South-Carolina, North-Carolina, and part of Virginia; the very same claim as that of the French, when in possession of Ca-

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nada and Louisiana, and which was the cause of the war in 1755.

The absurdity of these pretentions is so evident, that the Spanish government will never attempt to affert them. However, we ought to lose no time in insisting on a definitive answer from his most catholic majetty, on the evacuation of fort Natchez, and the cession of the territory, down to the 31° north latitude, agreeable to the tenor of the last treaty of peace: on a refusal from Spain, congress's ultimatum should be notified by our minister, containing a positive declaration, that we will do that justice to ourselves which is denied us by them. No danger can arise from such spirited meafures; for the weakness of the Spaniards, both in Florida and Louisiana, will not permit them to enter into an unjust contention, which would endanger even their rich empire of Mexico; and the more fo, as they have a formidable intestine enemy in all the natives of South America, who most undoubtedly would not lofe the favourable opportunity of hostilities between Spain and America, in Louisiana, to contend for, and wrest that independency from Old Spain which they have been struggling for, many years. Besides, Spain could expect no affiftance from other powers: as France, England, and Holland, are guarantees of the treaty, an infringement of which, by Spain, would be the motive of the rupture.

Should Spain, deaf to all these considerations, be so blind to her own interest, as to force us in defence of our own, to take up arms against her, it is in the natural order of things to presume, that the event would prove the ruin of the Spanish monarchy, and raise the glory and prosperity of the united states. As it would degrade us in the eyes of Europe, to commence hostilities on Spain without any just cause, so it

would equally reflect the greatest d honour on us, to tamely submit this breach of faith from the Sp niards.

A war with Spain, to which 1 may be compelled, in vindication our rights, must be of great adva tage to America. In lieu, as in t last contest, of fighting in our ov country, where we had to supply t enemy's armies, as well as our ow we could make the rich Spanish se tlements the theatre of hostilitie our armies would be supplied wi their provisions, and paid out their gold and filver. Two thousan brave Americans, under experienc officers, animated with refentme against those troublesome neighbour and having in object the conquest the richest country in the worl would complete, in a few weeks, fro their arrival at the Natchez, the r duction of West Florida and Loui ana, in spite of all the Spanish effor to refift us. Another army of about the fame number of men, leavir the first conquerors to defend the new acquisitions at the expence i the fame, would carry the war in the very heart of Mexico. An e pedition of this confequence wou. cost little or nothing to the unite states, and would infure to us, for ever, the free and undiflurbed nav gation of the Mislissippi, as, by th fituation of the country, five hundre men can, at all times, be masters of this river, provided they are in possess on of the upper parts of it, from which all supplies must come, and whe innumerable fleets might be cor ftructed.

The greatest objection that mabe offered to our success, is the desciency of a navy to protect our trade and guard our coasts against the entry's enterprizes. We need no flet for the conquest proposed, nor to protect them: besides, we have a right o expect assistance from England an

lland, agreeable to the treaty; I France undoubtedly would keep leutrality. Every power of Eue must be sensible how much it uld be to their advantage, that we uld be in possession of the gulph Mexico. Spain will fuffer no nan to trade in that rich country; t becoming part of the united es, all the trading nations would indifcriminately admitted, theree it would be their interest to help with a navy against Spain: and uld it be required, we would be e to pay the expences with Spangold. Whatever steps the marie powers may take towards us, it is act, that the American feas would covered, on a rupture with Spain, h fwarms of privateers from all ions, under the colours of the ted states.

Our fett'ements on the western ters are increasing in strength dainear 100 miles on Cumberland er are now fettled, and emigrants m the Carolinas and Virginia, constantly travelling to Kentucand Cumberland. Those two fetments, alone, supplied with boats l ammunition, could muster, even w, a force sufficient to make the iquest of Florida and Louisiana; I thousands of volunteers would to arms, and would be zealous join in so promising an expedition. Should Spain comply fully with treaty, and only infift on fome triction as to the navigation of the ississippi, it would perhaps be more litical to postpone to a more reite time, all thoughts of conquest.

FABIUS.

Charleston, April 6, 1786.

Circular letter directed to the different courts in the western country.

Kentucke, Danville, March 29, 1787.

Gentlemen,

A Respectable number of the inhabitants of this district having met at this place, being greatly alarmed at the late procedure of congress, in proposing to cede to the Mississippi river, for 25 or 30 years, have directed us to address the inhabitants on the western waters, and inform them of the measures which it is proposed for this district to

adopt.

The inhabitants of the several counties in this district, will be requested to elect five members in each county, to meet at Danville, on the first Monday in May, to take up the confideration of this project of congress; to prepare a spirited, but decent remonstrance against the cession; to appoint a committee of correspondence, to communicate with one already established on the Monongahalia, or any other that may be constituted; to appoint delegates to meet representatives from the several districls on the western waters in convention, should a convention be deemed necessary; and to adopt such other measures, as shall be most conducive to our happiness. As we conceive that all the inhabitants refiding on the western waters, are equally affected by this partial conduct of congress, we doubt not but they will readily approve of our conduct, and chearfully adopt a fimilar fystem, to prevent a measure which tends to almost a total destruction of the western country. This is a subject that requires no comment—the injustice of the measure is glaring—and as the inhabitants of this district wish to unite their efforts, to oppose the ceffion of the navigation of the Miffiffippi, with those of their brethren residing on the western waters, we hope to fee fuch an exertion made, upon this important occasion, as may convince congress that the inhabitants of the western country are united in the opposition, and consider themselves entitled to all the privileges of freemen, and those bleffings procured by the revolution; and will not tamely fubmit to an act of oppression, which would tend to a deprivation of our just rights and privileges.

We are, gentlemen, with respect,

your most obedient fervants,

GEORGE MUTER. . HARRY INNES. J. BROWN, BENI. SEBASTION.

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Letter from captain John Sullivan, late of the continental army, to the Spanish minister at New York.

> State of Georgia, frontier of the Creek nation, March 1, 1787.

May it please your excellency,

H AVING waited thus far in expectation of permission to join the Spanish troops in South America, -and having expressed to your excellency an ardent inclination to obtain the mere honour of ferving in any Spanish regiment, as a volunteer, -which requifitions as they were not complied with in due time, I beg leave to decline the acceptance of any rank or degree in the fervice of his catholic majesty.

The annals of history must have informed your excellency, that many nations have had abundant reason to deplore the impolicy of those whom they had invested with the powers of government, in flighting the proffered fervices of men (however young like myfelf) whose bent, study, and inclination naturally led to tactical pursuits, and to war; and who af-

terwards arrived to the highest pi nacle of military eminence and gi ry, at the woful experience of fu countries and states, as had reject those early overtures of service their armies. Not to talk of t Achaian league, of the Athenia Spartan, or Theban story, mode history is replete with fuch proof and your excellency cannot but reci lect, (however inapplicable, perhal the instances may hereafter prove, a young and infignificant foldier fortune) what France has fuffer from a rejected Eugene; and the Saxe, whose services had been : fused by an English court, aft wards fertilized the plains of t Netherlands with the blood and co cases of slaughtered Britons:

But to the point.

Being a soldier of fortune, as profess—and having studied, fro my infancy, the science of arms practical war is now my pursuit, a profession most congenial with 1 principles and disposition: and the fands of Americans, officers in t late army, pant for an opportuni to ferve this country. The banks the Ohio and the Mississippi are : tually alive with the first Americ characters of this stamp: and call upon from thence, by my here brethren of the army, honour, v tue, and the bias of an ancient inte course and former habits, incline i to assist them. From the Natchez the Kaskaskies-from Pittsburgh St. Mary's river—they are prepar to pour forth, with the greatest eat fifty thousand veterans in arms, defence of their commercial righ throughout the navigable rivers the fouthern parts of this empir The grain is actually germinatin fown by the pride, avarice, and fo ly of a certain power, which t pure air of liberty working at th root, and the laws of nature, sup rior to the narrow policy of any t

eign court, must finally and very seedily raise into a host of myrmions—the children of Enachim—the ons of the earth—irresistible in this and, at least by any force that may believe their pretensions, or affail

The important drama, may it leafe your excellency, is now aproaching-a new drama, in which he tragedians of the west are to apear in the military buskin: and I m invited to act as a character if some consequence among them. Time will shew how decisively my art shall be performed. Of this I in fure, that I shall exhibit, to my itmost, the part of a foldier. A very nconfiderable time must call forth o trial the mighty energy of the Ohio nd Mississippi : and incidents and vents are gradually teeming into irth, which will shortly open a spacius field for a daring spirit to explore.

May it please your excellency, he states of Georgia, Franklin, and Centucke, confederated-the counties of Bourbon, &c. on the Natchezhe fettlements on Cumberland, Kafcaskies, and the Wabash-and the governments of Pittsburgh, Westnoreland, &c .- ahound with the eeds of war. Nor will any obstrucions, from New Orleans to the Blaife, impede the overwhelming nundation, preparing to pour down ilong the waters of the Mississippi, nto the bay of Mexico. The torent will be irrefistible; the crop is actually in the ground; the harvest is ready for the hook, and the hook for the harvest; the reaper has introduced his fickle; combustibles are laid into a pile: nay, the very brand is already applied, and the fire only requires to be fanned. The permission of congress will not be solicited on this occasion. In congress, this people are not represented. I am now on my way to the western waters, where people, too long confined to unnatural boundaries, are ready to float with the current of the Mississippi into thesea; and, with irressible irruption and impetuosity to burst over every artificial barrier and mound, which may obstruct their free passage into the ocean. The Americans are amphibious animals. They cannot be confined to the land alone. Tillage and commerce are their elements. Both, or neither, will they enjoy. Both they will have, or perish.

I have the honour to remain, with the utmost deference, your excellency's most obedient and most humble

fervant,

JOHN SULLIVAN, late captain 4th reg. Amer. Lt. Dragoons.

P. S. In the alternative of peace or war, I shall ever entertain the highest respect for your excellency; and should be happy in the continuance of a candid correspondence.

To his excellency the Spanish minister, at New York.

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Letter from the writer of the foregoing, to his excellency Thomas Pinckney, efq. governor of the state of South Carolina

State of Georgia, Flint river, frontier of the Spanish dominions, Dec. 27, 1787.

May it please your excellency,

I Do myself the honour of addreffing your excellency, in pursuance to a communication which has been made to me this day, by a diftinguished officer, from the western waters, in as much as that congress have been pleased to dispatch decisive orders to the commander in chief of the continental troops on the Ohio, for the express purpose of arresting my person-and being affured that fimilar instructions were transmitted by that hon, body to the executive of South Carolina. My ignorance of any cause from which a mandate of this nature could arise, or on what legal grounds fuch an extraordinary procedure can possibly be adopted, induces me to folicit, from your excellency, official information of the authenticity of his intelligence. I have too exalted a fense of the wisdom and patriotic principles of most of the federal deputies, to harbour an idea that my late confidential letter to the minister of Spain, should have operated in this instance—from a folid conviction that there exists no statuted or implied coercive power in any of the state executives, much less in congrefs, legally authorizing them to controul that noble prerogative a citizen of America, possesses—the prerogative of unfolding his private political opinions to the world at large, to fovereigns even, and to states, but with far less 'ceremony to the mere representative of any transatlantic monarch.

Your excellency must be perfectly informed that the constitution of this land confers on every freeman the glorious privilege of addressing kings; and when it is considered that the freemen of all commonwealths are actual kings themselves, I am led to believe that the private sentiments which were imparted in a considential letter to the minister of Spain, cannot in consonance to any established rule of law, be brought under the charge of majesty offended.

Events of deep importance to this country and Spain, which are now buried in the womb of time, are infensibly progressing from the crude probability of speculation, to the growth and maturity of fact; and the period cannot be very remote,

when the intrepid Tartar of the west the inexpugnable Kentuckian and Frank, will dare to proclaim, that the Natchez shall be restored either by negociation or arms, and that their right to the free navigation of the Missiffippi shall be no longer withheld by an indolent, jealous, and impolitic nation. Had his excellency the minister of Spain for a moment reflected that my unimportant sentiments respecting our invaded rights of navigation, were but the fimple echo of the voice of nineteen-twentieths of the people of America, and which had long before been published by many distinguished general officers of the late war, now residing on the western waters, his good fense would have pointed out the impropriety of importuning congress on the trivial subject of a letter fo perfectly apologetic and confidential-a letter written to himself. and by his having (probably) first committed it to the press, of exhibiting his intended vengeance in so feeble a form before a bantering and fneering universe. No personal confideration shall ever induce me to withdraw from any investigation which may arise on this subject; on the contrary, I will with chearfulness, wait the issue of all impeachments of fuch a nature, conscious that I have not exceeded those limits which the law prescribes: and that freedom of opinion is the inalienable birthright of every citizen or denizen of these states.

If a fimple declaration of fentiments on a political question—sentiments unattended with any overt act—sentiments which American citizens daily presume to express to their local sovereigns; can be construed into criminality by any body of men, and by those, in particular, who possess no legislative rights, nor any right, in time of peace, affecting the person of a freeman—such an

flumption of power must strike at he very existence of liberty. I have, nerefore, the strongest conviction hat my letter to the minister of pain consists in reasoning on coningent events, and that, in strickness of law, the smallest restraint, in maters of a speculative nature, must be

gross usurpation of rights estalithed by the late revolution. Your xcellency well recollects that not lany years have, clapfed fince the panish ambassador at the court of t. James's complained of a newspaper fult which was offered to the intelctuals of his royal fovereign. ublication was conformable to geeral belief; and he was informed, or his fatisfaction, by the British ourt, that the laws of Englandiws still prevailing with us-inflict-I no punishment on a subject, for fing his native privilege of promulating opinions. The king of Engind, as little united to us by treaty s the Spanish monarch, has, since ne peace,-been personally reviled in ur prints, and his nation repeatedly renaced with hostilities, in confeuence of the unjust retention of the rettern posts; and yet he was filent. He is legally abused in his own land. lings, queens, nations, and courts, re there strictured with impunity. Vhat has deprived a citizen of Ameica of the fame privilege? No aw yet extant has done it.

I am not aware, however, of any eficiency of respect, either by words ractions, which could have origitated on my part, in derogation f the minister of Spain; having lways entertained the highest veneation for his person and commis-

on.

I respect him not only as an amassador, but I admire him as a nan. I also reverence myself, as a reeman of this enlightened country; nd hold in too high estimation the ight to canvass freely and discuss all

measures, in which the people, of whom I am a part, are vitally interested, tamely to suffer it to be infringed, by any power, foreign or donestic. Let a law be once established, by which a citizen of America dare not, with impunity, disclose his political opinions, even in the considence of a private letter, and no person will observe a line of greater caution or reserve in all my future addresses to dignished substitutes.

Passive obedience shall be my in-

I will then bow before the image of power, and yield such exterior acquiescence, as the prophet of old recommended to his byrian convert. I will not even consider that congressional mandate extraordinary, which should ordain an annual pilgrimage to an imported, unprocreative jackass, in order to manifest in person my implicit devotion to the congenial attributes of the royal donor.

On this important occasion, I am happy in having the honour to address a foldier of science and distinction, who is perfectly enabled to determine how far any requisition from any external or internal power should be acquiesced with, on the one hand, when the liberty of the citizen evidently preponderates on the other.

I have the honour to remain, with profound refpect, your excellency's most obedient, and most humble fervant,

JOHN SULLIVAN.

P. S. Enclose my address to the governor of Georgia.

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To the editor of the A. Museum.

A S the regulations lately adopted by the court of France, in favour of the commerce of the united

flates, will, it is expected, revive the important business of ship-building in this country, you are requested to give the following extracts from a late publication *, a place in your useful museum. They ferve to shew how greatly our interest is connected with a spirited attention to this valuable branch of trade.

W. B.

"THE account of the ships employed in the commerce of Great Britain, at the beginning of the American war, and at this time, [1784], is as follows: the number of ships, or the tonnage, differs very little. At the former period, there were about one million three hundred thousand tons; at the latter, nearly the same. The ships were built in the following countries:

Northern parts of G. Britain, 2419
Southern, 1311
Ireland, 199
British colonies still remaining, 163
American states, 2342

Foreign countries, 1260

being 7694

Thips employed in the commerce of

ships employed in the commerce of Great Britain, at the commencement of the war. Soon after the peace, the numbers were as follow:
Built in the northern Ships.

parts of Great Britain, 2226
Southern, 1088
Ireland, 144
British colonies still remaining, 104
American, 1126

Foreign countries, 4688 2892 7580

NOTE.

* Confiderations, &c. by Richard Champion, efq. a British subject. "But as a proportion ought to b allowed of the foreign ships, fo prizes, which will replace such o our vessels, as were taken by th enemy, the accounts will nearly be,

British, 5154 Foreign, 2426

"Or, considering the America ships as foreign—

British, and its dependencies, 4028 Foreign, 3552

7580

7580

"America was always able t fupply us with fhips thirty per cent cheaper than they could be built i Great Britain, even with the difad vantage of having the cordage, fails and mores, exported from hence."

" One of the most materia branches of the American expor trade, is ships built for sale, at pri ces greatly inferior to those in th cheapest parts of this kingdom. Th carpenter's prices for building, is Iterling money, by the ton, were a follow: In New England, thre pounds; in the middle states, abou four pounds; in South Carolina, o live-oak, five guineas; the whole cot of the ships, equipped for sea, seven to ten guineas. They were chiefly fron New England, which supplied abou three-fifths of the whole number o the American ships employed in Great Britain, and were generally fent to sea at the expence of abou

NOTE.

*" In New England, the ship builders will now contract for building ships, at three pounds sterling per ton, including the joiner's work. In the river Thames, the price in nine pounds per ton, for the carpenter's work only." : to feven guineas per ton. The oft beautiful are those built in Phidelphia, where this art has attained

the greatest perfection-equal, rhaps fuperior, to any other part the world. Capital ships have so been built at New York, and the Chefapeak; and in South Calina, of live oak, which is of uch longer duration than any other mber whatever. Those, who have ferted, that the shipping of our it-ports, are equally lasting with e American ships, built of liveik, have been very much mifinrmed; the latter being found, by perience, to be much more durable an our best oak."

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bservations on the probable effects of the late arret of the French court, respecting the intercourse with America. From the Gazette d'Agriculture, a periodical work, published in France.

THE arret of the 29th of De-L cember last *, while it gives ie world a new and convincing roof of the dispositions of governent, to strengthen our connexions ith the united states of America, nd to facilitate a commercial interourse between the two countries, is vidently calculated to open a new nd extensive market to the produce f our allies.

The whole amount of the populaion of Great Britain, Spain, and ortugal, with whom the united tates have hitherto had the greatest ntercourse, can hardly be compared o that of France only: fo that this ingdom, alone, might double the

NOTE.

* For this arret, see American vluseum, vol. III. p. 369, Vol. III. No. V.

resources and industry of those states. if its commerce was well understood by their citizens.

Experience has evinced, that in common years, France hardly produces wheat enough for the confumption of fifteen millions of inhabitants: fo that ten millions, at least, must depend upon the importation of that article from foreign countries; an importation the more indispensible, as bread is considered by every Frenchman as the most esfential food. Vast quantities of wheat are imported annually from Poland, by the way of Dantzic, and particularly by the industrious Dutchmen. The fouthern provinces are provided from Sicily and Africa, through Marfeilles, which city ferves as an univerfal entrepot for the Mediterranean.

But as every country strives to regain by the labour of men, what the foil feems to refuse: fo the provinces. which are in want of provisions, pay a particular attention to manufacture the flour themselves, though they import the wheat. Therefore, an American merchant, who wishes to avail himself of the arret of the 29th of December, would probably find an easier market in France, by importing grain instead of flour. It might be objected, that the great bulk of the cargoes would lower the profits: but, even for this, the arret offers a remedy. Let us suppose that the same capital, instead of employing two cargoes of flour, would employ three vessels loaded with grain. American ships being wanted in France, and entirely duty free, one or two of them might be fold to great advantage; and the third return to America, with a cargo of dry goods, wine, oil, fugar, coffee, &c. The cities of Bourdeaux and Nantz might, in this manner, become the principal entrepots of the produce of the united states, which,

as it pays no duty, unless it be actually fold, cannot be difadvantageous, even if the market is overstocked. Codfish, oil, naval stores, spermaceti candles, rice, tar, pitch, and turpentine, tobacco, falt beef, (particularly if the Irish mode of curing it was well understood and imitated), pot-ash and pearl-ash-in general, every article of American produce, though very bulky, must increase the profits arising from them, by the fale of the vessel which carried them to France: and, instead of cherishing the uncertain and dangerous contraband trade of the West Indies, it seems, that with a little more moderation, greater and more lasting benefits might be obtained by exporting the West India produce from France. It is for this reason, particularly, that we confider Bourdeaux as the most important entrepot for American produce. We have even every reason to think, that in consequence of a successive intercourse, American wheat would be manufactured there for the West India market. Befides, the extensive commerce of that city is constantly in want of ships: and as the American citizens have now the reputation of building them cheaper, and perhaps of better materials, than any other nation, the profits arifing from them would compensate the smaller benefits reaped from their cargoes.

Though these observations may not perfectly agree with the interested views of some of our merchants, whose particular branches of commerce have been injured by the said arret—and though we have every reason to believe, that our public wealth will be very little increased by our intercourse with the united states—we partake of the wish, which is common to every patriotic Frenchman, that a people, whose independence and elevation to the dignity of a sovereign power have

cost us so much blood and so man millions, may fupport its station and daily increase its resources: ar that the annual expense of the nation, for provisions of all kind naval stores, and other articles, in stead of supporting some power whose very existence is indifferent to us, may ferve to supply the wan of an infant country, which w have always cherished, and whe we flatter ourselves to have mar friends. If, after all, the rejects tl hand of benevolence stretched or to support her-if the does not kno how to improve her own fortunewe can only lament her blindness.

Extract from a pamphlet, entitle "The true interest of the unit." flates considered: "Jupposed to avritten by William Barton, esq.

HE grand defideratum in the commerce of a nation, is, to maintain a favourable balance in it foreign trade; which is evidence by a general course of low exchange

Those measures, therefore, the tend to increase the exports, and d minish the imports of a nation, at the effential means of obtaining the end.

For this purpose, the internal con merce of the country must be pre moted by increasing its real riche. Agriculture must be extended population encouraged; the acquisition of raw materials facilitated and domestic manufactures, especially of the natural productions of the country, established. The commercial prosperity, and consequently the real independence, of the America states, will be accelerated or retard ed, according to the progress of these.

Improvements in agriculture wil avail but little, unless a deman

kept up for the products of landed tates. The demand, for the supply f foreign countries, depending on a ambination of various circumstanes, must prove extremely fluctuating. or this reason, the more it can be endered independent of fuch extraeous causes, the more regular will e the demand. And, therefore, the earer the number of tradefmen, mehanics, artists, and all that descripon of people who usually inhabit owns, approaches that of the agriulturists, by so much the less will he interest of the latter be affected y the precarious operations of oreign trade. Also, the fuller the opulation of the nation is-provied a fufficient proportion of the inabitants be employed in useful hanicraft trades, mechanic arts, and as nerchants in conducting the bufiness of alienation—the more beneficial vill be the nature of its commerce, onfidered in a national point of iew. In fuch circumstances, the export-trade of the country will be enarged, while its importations of foeign manufactures will be lessened n the fame rates; and thus the inerest of the § merchant will be made so coincide with that of his country:

NOTE.

§ "It would be of much importance to the state," fays mr. Anderfon, " if country gentlemen, and the legislature at large, would learn to distinguish with precision between those kinds of commerce and manufactures that tend only to enrich the merchant, and those that at the same time tend to enrich the country and augment its internal prosperity; for these are often disjoined; so often, indeed, that those kinds of traffic which are in general most profitable to the merchant, are least beneficial to the country." Observations on national industry.

Otherwife, however patriotic principles a merchant may possess, he will find them assailed by his private interest. A few individuals in a nation may be actuated by fuch exalted fentiments of public virtue, as to facrifice their own interests to the general welfare; but these instances must be rare; and professional men of every description are necessarily, as such, oblige to pursue their immediate advantage.

Until the country becomes pretty fully populated, the price of labour will continue high; and, although this would be no difadvantage to a wealthy country, if cut off from foreign trade, yet it would be a confiderable obstruction to the establishment of domestic manufactures; which, we have shewn, are * essential to a flourishing state of agriculture.

In order, therefore, to create a demand for domeftic manufactures among us, the introduction of those foreign ones, which interfere with them, must be laid under certain restrictions; and these must be continued, until the competition, occanioned by the disparity of prices, in the foreign and domestic articles of the same kind, shall be destroyed, by a gradual reduction of the price of

NOTE.

* "There are fome inflances of nations peculiarly fituated which have flourished by means of commerce, without agriculture; there are also a very few examples of manufactures flourishing among a people who could have little dependence on the produce of the foil: but there is not among all the records of past ages a single proof of a people who have enjoyed, for any length of time, a spirited agriculture, without the aid of commerce, or manufactures, or both." Anderson's observations on national industry.

labour at home. These restrictions may confift in duties on the imported * commodity, bounties on the domestic manufacture, and, in some cases, both co-operating, with relation to the fame article. Sir James Steuart has fo well expressed our fentiments on this head, that we will convey them in his words. Treating of the means of instituting manufactures in a state, he fays—" The ruling principle which ought to direct a statesman, is to encourage the manufacturing of every branch of natural productions, by extending the home-confumption of them; by excluding all competition of strangers; by permitting the rife of profits, fo far as to promote dexterity and emulation in invention and improvement; by relieving the industrious of their work, so often as demand for it falls short. And, until it can be exported to advantage, it may be exported with loss, at the expence of the public. To fpare no expence in procuring the ableft mafters in every branch of industry, nor any cost in making the first establishments; providing machines, and every other thing necessary or useful to make the undertaking succeed."

The carrying trade of the united flates is also an object of great national importance. The country abounds

NOTE.

* Dr. Price, speaking of the foreign trade of the American states, has this sentiment. "Indeed, I tremble when I think of that rage for trade which is likely to prevail among them. It may do them infinite mischief. All nations are spreading snares for them, and courting to a dangerous intercourse. Their best interest requires them to guard themselves by all proper means; and, particularly, by laying heavy duties on importations." Observations on the American revolutions.

with naval stores; and ship-buildir is, or may be, one of our most ben

ficial employments.

This species of manufacture is fuch a magnitude as to demand the attention of governments in a pa ticular manner. The fame principl on which those measures are founder which have been mentioned as nece fary to promote domestic manufa tures, generally, may be applied to the encouragement of this. Sir John Child (in his discourse on trade) d clares himself of opinion, that, relation to trade, shipping, profit, at power, the § English navigation-a is one of the best and most polit laws that ever was made in England and without which, that country would not have had one haif th number of shipping, or trade, no have employed half the number feamen, which it did at the time I wrote. Our policy undoubtedly die tates the propriety of imposing entraordinary duties on dutiable con modities imported from foreign cour tries into these states, in vessels bui abroad or owned by foreigners; efpe cially on articles of mere luxury although some confiderations ma render particular exemptions and dicriminations indiffentable and pro-In + some instances, certai

NOTES.

§ The act of navigation was pal fed in the 12th Car. II. A. D. 166c Sir Josiah Child wrote about eighteer

years afterwards.

† We will not attempt to specify those cases to which the first part of this proposition may be applicable. A combination of circumstances must designate these. But our insant East India trade seems to come under the latter head. It is true, that the importations from the East consist principally in those things, which are usually denominated articles of lux-

nds of merchandife ought, perhaps, be exonerated from all duties, hether imported in American or reign bettoms: But in other cases, ch exemption might properly be stricted to goods imported in Ame-

can vessels only. But a very obvious and important flection arises here: and that is, lat every effort, which can be made individual states, for placing our reign trade on an advantageous oting for this country, is liable to : fruitrated, by other states counterfting them, or not coinciding in fiilar measures. The want of that niformity, which is necessary to ive efficiency and permanency to e commercial fystem of a nation, ill render, in a great degree, inef-Aual, all partial regulations for e advancement of our trade. A ower must necessarily be lodged mewhere, for adjusting the comercial, as well as the political inrests of the several states in the unin, to one general fcale; and, accoring to the principles on which our deral constitution is framed, this ower ought to be vested in the fureme head of the union, in order

NOTE.

ry. But, as many of these have, by ong habit, acquired among us the haracter of necessaries, and are thereore constantly imported from Euope, at fecond hand—policy dictates ne expediency of giving every pofble encouragement to the American ierchant, in carrying on a trade diectly to the East-Indies. Thus will he profits on that trade, now enjoyd by strangers, centre with our own itizens; while this new channel of ommerce will employ an additional umber of American shipping and camen, and furnish a vent for an aricle, the natural production of this ountry, much esteemed in the East.

to establish the commerce of the united states on the folid basis of national system.

In the mean time, the unfettled flate of our foreign trade lays us unded a double obligation affiduously to promote our † inland commerce and home confumption. The united flates occupy a vast extent of fertile country, lying in various climates, yielding the necessaries of life in the utmost abundance, and furnishing a great diversity of commodities, and raw materials for manufacturing.

The commercial intercourse, carried on between the several states, by sea, should be restricted to American vessels: and the communication from one part of the country to another, inland, ought to be rendered as easy and convenient as possible, by improving the roads, opening canals, and removing all obstructions to the navigation of the rivers, where practicable—in order to facilitate and

NOTE.

† By raising large flocks of sheep, fufficient quantities of wool may be fupplied for the manufacturing of coarfe woollen cloths, stockings, common hats, &c .- Hemp furnishes us with the valuable article of cordage; and flax-feed, which is a confiderable export from this country. yields an oil that is applied to various uleful purposes: a large supply of coarfe and middling linen cloths may also be drawn from hemp and flax, fuch as fail-duck, facking, oznabrigs, sheeting, and the like. Virginia and North-Carolina grow cotton of a very good quality, which may be manufactured into various kinds of clothing, &c. Thread and cotton stockings, of an excellent fabric, have long been made among us. The fine hats of this country are much fuperior to any imported. All manufactures of leather may be carried on to

promote the interior commerce of the united states.

The influence of example, manners, and fashion, may also greatly contribute to our success, in the pursuit of these great objects of national prosperity. Here the real patriot is enabled to testify his love to his country; and this he may evidence in a variety of ways—according to his talents, his opportunity, or his station.

NOTE.

the greatest advantage. Iron (besides excellent castings and the manufacture of fteel) may likewise be wrought into all kinds of heavy work, and into nails, and fundry other articles, much to the benefit of the country. Paper is already made here, of an excellent quality, and in large quantities. Glass-houses have heretofore been erected in divers parts of the continent, and good glass has been made at them. Gunpowder, a very important article, has been brought to great perfection here. Pot-ashes are likewise a very fuitable manufacture for this country. Besides, several articles of manufacture are produced from wheat, barley, rye, hops, tobacco, &c. The culture of filk might alfo prove a mine of wealth to the middle and fouthern flates. The cultivation of the vine, madder, rhubarb, and fundry kinds of fruits, would likewise be productive of real emolument to this country.

These, and a multitude of other materials, that are and might be supplied by the united states, would, with proper encouragement, employ great numbers of our citizens in trades and manufactures, from which they would derive profit, and the public a

national benefit.

Premiums offered by the fociety for p tical inquiries.

THE fociety for political inq ries, held at Philadelphia, he ing determined that premiums ft be awarded to the authors, whetl members or not, of the best essemblers or not, of the best essemblers or investigation, have greed that the two following subje be offered for the faid premiums, be adjudged at any time subsequent to the first of January, 1789.

I. What is the best system of to ation, for constituting a revenue a commercial, agricultural, and n nusacturing country?

II. How far may the interpolition of government be advantageously rected to the regulation of agric ture, manufactures, and commerce

The conditions prescribed by 1 fociety, are as follow:

1. The effays shall be written either the English, French, or G mandanguages.

2. The candidate shall send lessay, on or before the first of Jar ary, 1789, addressed to the preside free of postage or other charge and shall distinguish his performar by some motto, device, or signature at his pleasure. He shall also sence shall eletter, containing the sar motto, device, or signature, and su foribed with the real name and pla of residence of the author.

3. All communications, from ca didates for the premiums, shall be 1 ferred to a committee of the fociet who shall felect those they may dee the most proper to be laid before t fociety at large,

4. The fociety, at a time to be a pointed for that purpose, are to a judge the premiums, after having previously determined, by vote, where any of the communication

en under confideration, are defervg of the proposed premiums.

5. No member of the fociety, who a candidate for the premiums then pending, or who hath not preoufly confidered the comparative erits of the feveral effays, shall we his vote in awarding the faid emiums.

6. The letters, containing the mes of authors, whose performans shall not be successful, shall be used before the society, without

eaking the feals.

7. The premiums shall each cont of an oval plate of solid standard gold, of the value of ten guias: on one side thereof shall be atly engraved a suitable motto and vice; and on the reverse, these ords—"The premium awarded by the society for political inquiries, established at Philadelphia, 9th February, 1787, to for his essay on A. D. 1789."

apers respecting the leases taken by a private company, in the state of New York, from the Oneida Indians.

No. I.

o the honourable the legislature of the state of New York, in senate and assembly convened. The petition, of John Livingston, of the manor of Livingston, and Caleb Benton, of Nobletown, for themselves and their associates, to the number of several bundred citizens:

. Humbly sheweth,

THAT your petitioners were fome time fince informed, that he Indians, on the western frontier f this state, were inclined to dispose f their lands; and that they were caully in treaty for this purpose

with divers persons holding no allegiance or subjection to the government of the state of New York.

That your petitioners, conceiving that this favourable disposition of the Indians might be improved, not only to their immediate advantage, but to the public benefit, affociated for the purpose of making an overture to the faid Indians, and appointed agents for conducting the business. That your petitioners' agents arriving at a critical period, had the great good fortune to give a turn to the intended negociation with the faid Indians, for their lands, highly favourable to the government of this state; and which cannot fail of fecuring the jurisdiction, and all the advantages to arife from a populous fettlement, without bloodshed or ex-

That in fact your petitioners found that although the faid Indians were wholly averie to an actual fale of their lands, yet they were fully determined to grant the fame by way of leafe; whereupon your petitioners, on the thirtieth day of November laft, obtained from the natives a leafe for all their unappropriated lands, for which they have paid a large fum of money, and fland engaged to pay a perpetual annual

rent

That your petitioners are not conscious of having transgressed the law, in taking the faid leafe; on the other hand, they are fully perfuaded, that they have been the instruments of procuring the most folid advantages to their country by the faid negociation, if it shall be happily improved. That your petitioners are informed that it has been confidently fuggested that the faid leafe was obtained from the faid Indians, in conjunction with, and under the influence of, British subjects from Canada. That your petitioners take this opportunity, peremptorily to deny the faid fuggestion, as utterly false and groundless.

Your petitioners therefore humbly submit the premises to the wise consideration of the legislature, and as in duty bound shall ever pray.

No. II.

To the honourable the legislature of the state of New York, in senate and assembly convened. The petition of John Livingston and Caleb Benton, in behalf of themselves and their associates, &c.

Respectfully sneweth,

THAT whereas the honourable the legislature have been pleafed to appoint a committee to enquire into the subject of your petitioners' late petition relative to the leases by them obtained of the fix nations of Indians, of their unappropriated lands within this state; and whereas the said committee have reported a state of facts respecting the said leases:

We, your petitioners, do therefore most humbly pray the horourable the legislature to take the said report into their wise consideration, and be pleased to appoint agents, in behalf of the state, to confer with your petitioners, on such terms and considerations as may be consistent with the justice, dignity, and policy of the state; and that the legislature will be pleased to recognize the said leases under such restrictions, as to them, in their wisdom, shall appear just and equitable.

And your petitioners as in duty bound, shall ever pray.

[N. B. The above petition was rejected.]

No. III.

By his excellency George Clinton, e governor of the state of New Yor general and commander in chief all the militia, and admiral of a navy of the same.

A PROCLAMATION

(L. S.) WHEREAS the fen: and affembly of th state, by their concurrent resolution bearing date the fixteenth and twe tieth days of February last, after 1 citing "That whereas John Livin fton, efg. of the manor of Livin ston, hath produced to committees the fenate and affembly, two certa writings, and which writings ha been reported to the fenate and fembly, the one of them dated t 13th day of November last, purpo ing to be a lease from the chiefs fachems of the fix nations of India to him the faid John Livingston, a others his affociates, for the term nine hundred and ninety-nine year on a yearly rent reserved of to thousand Spanish milled dollars, all that tract of land in the fa writing described, as beginning a place commonly known by t name of Canada creek, about fev miles west of Fort Stanwix, no Fort Schuyler, thence north-ca wardly to the line of the provin of Quebec; thence along the fa line to the Pennsylvania line; then east on the said line or Pennsylvan line, to the line of property, so callby this state of New York; then along the faid line of property Canada creek aforefaid. The other the faid writings, dated the 8th day January last, purporting to be lease from the sachems, chiefs as warriors of the Oneida nation of I dians, to the faid John Livingsto and his faid affociates, for the fa term of nine hundred and ninet

ine years, on a rent referved for e first year of twelve hundred dolrs, and increasing at the rate of one indred dollars per annum, until it all amount to fifteen hundred dolrs, of all those lands in the faid riting described, as the tract of nd commonly called and known y the territory of the Oneida Indi-13, with an exception as to feveral acts and parcels in the faid writings articularly specified; and which iid leafes were obtained from the id Indians, by the faid John Liingston and his associates, not under ie authority, nor with the confent f the legislature of this state," did folve, as the sense of the said senate nd affembly, "that the faid leafs are purchases of lands, and thereore that by the constitution of this ate, the faid leafes are not binding n the faid Indians, and are not vad; and did thereby also further reolve, as the determination of the egislature, " that the force of the late shall, from time to time, as ocafion may require, be exerted to revent intrusions on, and for preerving to the people of this state, heir rights to the lands and terriories comprehended within the bounlaries specified in the faid leases, igainst the said John Livingston aud nis faid affociates, and all other perlons claiming or to claim any right, title, or benefit under the faid leafes or either of the n."

Now, therefore, agreeably to the request of the senate and assembly, also expressed in their said concurrent resolutions, I have issued this my proclamation, hereby strictly charging and requiring the said John Livingston and his said associates, and all other persons, that they do not settle, improve, enter, or otherwise intrude on such of the said lands, as have not heretofore been granted in due form of law, as they

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fhall answer for every intrusion at their peril.

Given under my hand and the privy feal, at Poughkeepfie, this first day of March, in the twelfth year of the independence of the faid state, A. D. 1788.

GEO. CLINTON.

No. IV.

Talk of the Oneida Indians, lately received by the legislature of New York.

ROTHERS, chiefs, and great men, who fit round the council fire of our brethren, the people of the state of New York, attend.

Brothers, we have come thus far on our way to fee you, at your council fire: but the road's are already become very bad; and the prospect of their soon being worse, induces us to return, and to speak to you in writing.

Brothers, we are your allies: we are a free people: our chiefs have directed us to speak to you, as such: therefore, open your ears, and hear our words.

Brothers, in your late wars with the people on the other fide of the great water, and at a period when thick darkness overspread this country, your brothers, the Oneidas, stepped forth; and, uninvited, took up the hatchet in your defence. We fought by your fide. Our blood flowed together: and the bones of our warriors mingled with yours. You appeared grateful for our attuchment: and gave us repeated affurances, that, should the great Spirit give you fuccess, we should be made to rejoice. The event of the war was favourable. We returned to our country, where ruin and defolation had overspread our fields and villages. We rejoiced, however, that we could return in peace; and pleafed ourselves with the hopes of the peaceable and quiet enjoyment of our country, for which we had fought and bled in the common cause, together with you. While we were thus flattering ourselves with the agreeable prospects, we received an invitation to meet fome of your chiefs, who were fent to speak with us at Fort Herkermer. We were glad, and immediately fet out to meet them, expecting they were come to relieve our wants, and to make good the repeated affurances we had received, that, on our return to our country, we fhould be made to rejoice. Those chiefs, who then met us, will doubtless remember, how much we were disappointed, when they told us, they were only fent to buy our lands.

Brothers, it is needless for us to recapitulate the speeches that were made on that occasion. You cannot forget them: you have probably wrote them in a book. Your chiefs may well remember, how reluctantly we entered on a treaty for the fale of our lands. They may also remember the method we then took to evade it, which was, by making a propofal to them, to leafe a certain part of our country. The contempt, with which they received our offer, is, doubtless, still fresh in their memory: it is in ours. In compliance, however, with their urgent folicitations, we at length consented to fell them a part of our lands, in confequence of the foleinn and repeated affurances your chief fachem then made, that this should be the last application, that our brothers, the legislature of New York, would ever make to us for land.

Brothers, we are determined, then, never to fell any more. The experience of all the Indian nations to

the east and fouth of us, has ful convinced us, that if we follow the example, we shall foon share the fate. We wish that our children ar grand-children may derive a con fortable living from the lands which the great Spirit has given us and or forefathers. We therefore determine to lease them. Our friends in diffe: ent parts of the country, hearing (our determination, and being willin that we should still continue a na tion, have offered to take our land by leafe, and give us a generous ren' We were loth to affront you agai with the offer of our lands on fuc. terms; and have therefore agree to the proposals of our friends. Bro thers, fince we have been on the road, a lying bird has passed by us and reached your council-fire, and told you that we have not leafed ou lands. We fay, brothers, the fuggef tion is false: and we hope you wil treat it as fuch.

Brothers, we are surprised to hear you are displeased, because others have accepted that, which your -chiefs have told us was beneath your nation. But, brothers, we are more furprifed still, to learn, you claim a right to controul us in the disposal of our lands. You acknowledge it to be our own, as much as the game we take in hunting. Why then do you fay that we shall not dispose of it, as we think best? You may, brothers, with as much propriety, when one of our hunters comes to your market with a pack of beaver, point out the person to whom he shall fell, and to no other.

Brothers, we wish you to consider this matter well, and to do us justice. We have now leased our whole country, excepting what we reserved for our own use, to people, who, we doubt not, will pay us according to agreement: and if there be any thing that you can do, to encourage em in their settlement of it, we ish it may be done.

Brothers, this is all we have to

To the great men of the state of New York.

Jacob Reed, Sec.

his

Peter X Salekarenghis,

mark.

his

Daniel X Segaoneghferifer,

mark.

bis

Hendrick X Sabonwate,

mark.

Witness,

eter H. Ten Broeck,

Perfonally appeared before me, e above-named subscribers, and action ledged the foregoing instruent to be their voluntary act and ted.

Acknowledged before me, this velfth day of March, 1788,

ENRY J. V. RENSSELLAER, one of the judges of the inferior court of the county of Columbia.

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Mr. Carey.

SIR,

HE history of our common swallows, has long been a roblem in ornithology. Whilst peole in general supposed them birds f passage, a few, who appear to be etter informed, supported the conary. The opinion of the many was ounded on what they thought proable; that of the few, on facts.

Having been told by my nurse, nat swallows wintered in the moon -and, after I grew older, that they ere birds of passage, I was a scept to the doctrine of their descending to pass the winter in water. I

now begin as much to doubt the theory of those naturalists, who contend they are birds of passage, as I doubt the philosophy taught by my nurse.

In the year 1780, I was converfing with a zoographer, who lived about twenty miles from Boston, on the phenomenon of the fudden exit. but gradual and irregular return of swallows. I observed to him, that geese and other sea-fowl, which, in the spring of the year, visited the northern lakes, and in the fall returned, were observed both in their flight from, and return to, the sea: that blackbirds in the fall were feen in numerous flocks, directing their course to the south-west; that as we never faw a collection of fwallows appearing to be on their paffage to another country, I thought it probable, that when they began their passage, they flew only in the night, or ascended beyond the reach of the human eye.

The gentleman replied, they were not birds of passage; that the cause of their fudden disappearance, but irregular return, was, they had a fixed day for immersing into the water, but none for emerging from it. On my doubting his hypothesis, he told me, that as a neighbour of his. not long before, was draining a pond, on a warm day, near the feafonof the year in which fwallows first appear-his attention was attracted by observing the mud, which, in consequence of draining the pond, had for some time been exposed to the fun, move, and appear animated. He then ordered a quantity of this mud to be conveyed to a room in his house, which he caused to be gradually warmed by a flow fire. From this mud, there foon arose a number of fwallows, hovering over himfelf and family, who had been spectators of their resurrection.

In the year 1782, I lived near the

mill-pond, which covers a marsh on the north-fide of the town of Botton. About the middle of August, this pond was covered with fwallows; fome flying just above the furface of the water, others lighting on the rushes and water-lillies, which raised their heads above it. On enquiring of one of my neighbours, whose house stood adjoining the pond, in which he had lived for a number of years, the cause of such an unusual collection of swallows to that water, he faid it was no more than what happened every year at that feafon. For fome days before they take their annual flight, continued he, they rendezvous at this pond. He then mentioned the day of the month, [August] which I have forgotten, on which they would disappear; which took place accordingly.

To gain the particular attention of those who may find it convenient to investigate a following hypothesis, was the cause of mentioning the foregoing circumstances so minutely.

Last August, from the tenth till past the twentieth, I was at Bethle-hem, in Pennsylvania. About the fourteenth, as I was one afternoon walking in the gardens, between the Lehi and Manorais creek, I observed the air over the creek to be almost darkened with fwallows. This excited my curiofity, and attracted my attention. On the north fide of the creek, nearly opposite the fifters' garden, grew a number of willows, between which and the garden was a fmall marsh. Upon the boughs of these willows, about sun-set, the fwallows alighted in fuch numbers, as to appear like bees, to hang to, or fit upon one another. I enquired the cause of their leaving their secure nefts, formed in buildings in which they had passed the summerand acting, as I thought, contrary to their native instinct, by roosting in the open air—and was informed by the rev. mr. Van Vleck of th town, that during the number years he had resided there, for a fe days before the swallows disappeare they never failed collecting in vi numbers, as he supposed, to pass t night in the branches of those w. lows which hung over the water For a few evenings, I constant walked to the creek, to observe the motions, during which time the numbers appeared to increase; till a fudden they were not-but on o day had all difappeared. Their es was not, I believe, three days fro the awentieth of August.

As there could not be a more co venient or agreeable fituation, f watching the exit of those bire than the one at Bethlehem, I wi what has been faid on the fubje may induce fome of the inhabitan or of the strangers who general visit that town in the month of A gust, fully to investigate this phen menon. If they immerge into t water, to the belief of which I a almost a convert, I imagine the descent is between the fifteenth a twentieth of the month. Were person to form a booth under t willows, sufficient to secrete hi from the swallows, by watching them for a few evenings, or perha nights, I have no doubt but would be able to make a full d covery.

That they are properly ampl bious, I believe no one will conten If they do lie, during the winter in a torpid state, under water, what they should, whilst in the full enjoyment of life and vigour, and in twarmest month in the year, plun into an element, in which they can not exist, but in a state of insensitive, will afford a subject of specultion for the curious and truly phil sophic.

JOSIAH BLAKELEY.
Baltimore, Jan. 7, 1788.

Population of the united flates.

THE numbers of inhabitants in the different states, according to the most accurate accounts which ould be obtained by the late sederal convention, were as follow:

onvention, were as follow: n New Hampshire, 102,000 360,000 n Massachusetts. n Rhode-Island, 58,000 n Connecticut. 202,000 In New York, 238,000 In New Jersey, 138,000 In Pennsylvania, 360,000 In Delaware, 37,000 In Maryland, 218,000 (including three-fifths of

80,000 negroes)

In Virginia, 420,000 (including three-fifths of

280,000 negroes)
In North Carolina, 200,000 (including three-fifths of 60,000 negroes)

In South Carolina, 150,000 (including three-fifths of 80,000 negroes)

In Georgia, 90,000 (including three-fifths of 20,000 negroes)

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Comparative view of the extent of the united states, &c.

FEW people are able to form an adequate idea of the extent of the diffricts ceded to the united states of America, at the conclusion of the late war: it will not be amis, therefore, to compare them with countries, with whose situation and extent we are more acquainted. The following measurements are made with accuracy:—

The river Ohio is navigable from Fort Pitt to its mouth, which is 1164 miles. The lands on the banks of the Ohio, and between the Alleghany mountains, the lakes On-

tario and Erie, and the Illinois and Miffiffippi rivers, contain 233,200 fquare miles, nearly equal to Great-Britain and France, whose contents are 235,237 fquare miles.

The lands between the Illinois, lakes Huron and Superior, and the Millifippi, at the falls of St. Anthony, contain 129,030 fquare miles, nearly equal to Great-Britain and Ireland, which are 131,800 fquare

The lands from St. Anthony's falls to the fouth line, from the lake of the woods to the head of the Miffilippi, contain 50,000 fquare miles, which is more than Holland, Flanders and Ireland, which are 57,908 fquare miles.

The thirteen states of America contain 207,050 square miles, nearly as large as all Germany, Flanders, Holland and Switzerland, which contain 207,483 square miles,

On the danger of introducing epidemical diforders, through awant of proper precautions.

I T will, I believe, be readily acknowledged, that it is at all times better to prevent a difease than to be necessificated to cure it, after it exists. This maxim is true in ordinary diftempers and accidents; and it is equally true, and of much greater importance, when it aims at preventing the introduction of a dangerous, spreading, and infectious disease into a healthy, uninfected city.

I have been led into these reflections from a positive assurance, that an epidemical sever now rages in the town of Bassetrere, in the island of St. Christophers, highly contagious, and alarmingly mortal. I have been informed too, that cotton (than which there is not a substance in nature more capable of imbibling, retaining, and communicating infection) is often imported from that island into this city. It must therefore be of the most dangerous consequence to have a quantity of this article, after having been exposed to an air thus infected, and then packed close into large sacks, which exalts the possion it has absorbed, transported to this or any other healthy city, and on its arrival, unpacked, unfolded, and distributed far and wide, in small parcels among the inhabitants.

I have known frequent instances of the baneful effects of foreign diftempers, thus imported in both the cities of Philadelphiaand New York; and have heard from the ancient inhabitants of this city, that so long ago as the year 1702, a malignant fever, little inferior to a plague, was imported into this place, and from its extreme mortality, distinguished by the name of the great sickness. This formidable disease, if tradition says true, was brought here from St. Thomas's in a single bale of cotton.

That fatal distemper called the yellow fever, or black vomit, which, about forty years ago, produced its ravages in several parts of the continent, particularly in the cities of Philadelphia and New York, was first imported from the Spanish main into Barbadoes, and, from that island, in the course of commerce, communi-

eated to this continent.

The cities of New York and Philadelphia have feveral times experienced the fatal effects of those dangerous infections; some of them refembling the jail fever, from dirty ships, crowded with as dirty passengers, from Rotterdam! which, from this cause, took the name of the Palentine sever. The severe effects of which I selt in my own family, when two young gentlemen who then lived with me (one of whom is now justly efteemed among our most respectable inhabitants) were at the same time

feized with this putrid fever, attend with fuch extreme danger, that the lives were for many days despaired At this time, there was no legal pi vision against these dangers. Vessc with this load of impurity, came is mediately up to the wharves: a even the fick were landed in t town: there was no proper place a distance to receive them: and t common jail, as well as debtors', wé then in the heart of the city. Co vinced of the impropriety and dang of these things, I represented the in a memorial to the then govern and council, who paid attention this representation, and immediate proceeded to remedy the inconvniency it pointed out. At this tin the new jail was built. The corpo ration purchased Bedlow's island with a house upon it, which, thoug too small, was sufficient to shelte and receive the unhappy fuffere: from the pestilential air of a foul an fickly ship, into one of the most ve vifying and falubrious airs in th world; and an opportunity given t cleanse and purify these vessels at fafe distance from the town.

The legislature at the same time passed a law every way competent to these salutary purposes. This law is certainly very necessary, as well a vigilance, judgment, and sidelity, in those who are appointed to execute

its injunctions.

Among the evils attendant upon these unwelcome visitors, there was one of a pernicious tendency, distinguished only by physicians of sagacity and skill. The natural endemical diseases of this wholesome northern climate, were, before their appearance, simple and regular. They returned as the seasons returned, to which they respectively belonged. Their history and symptoms were distinctly marked, and the method of cure generally well ascertained.

The influence of these imported

demics, fo far changed the nature these others, as to render them re complicated, dangerous, and cure, resembling in many particus, those symptoms, which distincted the original prevailing epinic—and this effect upon these incurrent diseases of the country, observable two, and sometimes be years after the period of these v distempers, which apparently it through their course in about months.

from the confideration of these in our own country, and the ndant confirmation of them in ers—from motives of professional y, and the sense I have of their ortance—and from very long exence and attentive observation of things—I have been induced ably to offer my thoughts on the sistence of exciting any unnecessary. The sacts above related are prious; they have all of them, extended the same attention and notice.

The fame causes which produced in, should they at any time occur, too probably produce the same its. My intention, therefore, is to awaken such just apprehens as may guard, as are as human lence can guard my fellow citis from an event of such satal

equence.

may not be unnecessary to obe, that a substance like cotton, if y charged with contagious matought never to be attempted to estroyed by fire, which, before it umes the cotton, will diffuse the sive particles in the air, without enting their effects. Destroying it ely by finking it in falt water, t least letting it remain a conable time immersed in its cural think would be the most safe effectual method of preventing langer.

The extreme fubtlety and activity of this kind of poisons, are evident. from a common experiment. The skin pricked with a fine cambrick needle, armed with the smallest particle of small pox matter, is capable of effecting fo great a change in the human frame, as to produce that loathsome and dangerous disease. It is true, that human art, under the benevolent smiles of providence, has greatly lessened its force and danger, and in most instances, rendered it mild and fafe in its operation. Human fagacity, too, under the fame gracious protection, is the only probable means of preventing the importation of dangerous and infectious distempers, to which commercial cities, from their constant correspondence with foreign countries, may fornetimes be exposed.

JOHNBARD. New York, April, 1788.

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Advantages of the use of oxen, in drast, &c.

MANY people complain of the shameful diminution in our exports of corn and flour, not reflecting that the immense number of useless horses, which it is now the fashion for almost every farmer and citizen to support, does not a little contribute to this artificial fearcity. Formerly it was the custom, in feveral of these states, to plough and harrow the lands, as well as convey their produce to market, by means of ox-That frugal mode of land carriage is at this time almost wholly discontinued, and such is the force of custom and prejudice, that I know many persons who would sooner carry their articles to market on their own shoulders, than be seen driving an ox team. When I was a boy, my father conveyed his whole family to

church on Sundays in a waggon drawn by two large oxen. I, his fucceffor, would willingly purfue the fame mode, and have more than once figuified my intentions to my wife, who, however, absolutely and fullenly refuses to attend me, if thus conveved; and indeed I find my whole family are in combination with her against me. What one horse devours annually, would plentifully support at least four labouring oxen; judge then what must be the loss sustained to the community by fuch a fuperabundance of these animals. The whole country is mounted on horfeback. as if bound out (Quixote-like) upon schemes of knight errantry, and to engage in tilts, tournaments, and perilous adventures. For a person of but middling confequence to be feen travelling a journey on foot, is enough to difgrace him for ever, in the opinion of the genteel part of our county: and a young fellow in my neighbourhood, who fome time ago paid his addresses to a village lady, at a few miles distance from his father's house, is at prefent under fentence of discharge from the girl's relations for no other reason in the world but making use of his legs to carry him to visit the object of his affections.

A COUNTRYMAN.

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To the honourable the fenate, and house of representatives, of the common-wealth, of Massachusetts, in general court assembled; the petition of Daniel Shays and Eli Parsons.

May it please your honours,

OUR petitioners, penetrated by the melancholy fense of their late errors, and anxious once more to return to the bosom of their country, and enjoy again the blessings of peace, under the mild operation of the laws—humbly beg leave to supplicate the mercy of the legislature is their favour.

If the most unseigned penitence confirmed by an experience of the misfortunes to which they have bee personally exposed, in the course of their unhappy opposition to government, may be allowed to operate they certainly have this to plead i expiation of their past conduct.

Your p titioners do not mean t multiply affurances: but they be leave boldly to refer to their future behaviour, as the best evidence of their fincerity: and they firmly trust that no person will hereaster excee them, in the practice of such virtues as are characteristic of the best citizens.

They have indeed been deluded but they beg the hon, court to be lieve that their hearts are still warme with every fentiment of respect, reverence, and attachment to the righ and liberties of the people, and to the laws and constitution of the government.

Your petitioners, may it pleaf your honours, do not presume to o fer any thing in their justification fully fensible, as they now are (the they may wish to extenuate) that n arguments can be adduced to excu their conduct; they see, they fee and they freely acknowledge, the have long felt the effects of their ow temerity. They have unfortunatel adopted a mode of procedure, which they are fully fensible, cannot be jul tified: they will never cease to re member with regret, their not ha ving trusted for relief to the wildor and integrity of the ruling power.

But when they thus freely acknow ledge their errors, they pray the hor legislature to believe, that these has proceeded from a misapprehension of facts—from a failure of judgmen and from a too precipitate resement; but by no means from a

abandoned principle. They have been obliged to feek an afylum, far from their friends and connexions, in a flate of exile from their country. Yet whatever may have been fuggested to the contrary, they have never combined with the concealed enemies of America, if such there be, to subvert its liberty, and to destroy its independence. No! may it please your honours, however criminal they may have been in other respects, they cannot be justly reproached with this enormity.

If it be thought necessary, that an example of their fufferings should be continued, to prevent fimilar diforders to those they have so rashly occasioned in this commonwealth; your petitioners would hope, that this end is already attained, as they conceive, in the estimate of their distresfes, there is fearcely an inconvenience or misfortune to which they have not already been exposed: But if these circumstances do not plead in their favour, they pray the hon. court would remember, that they have friends, wives, and children, who are innocent, but who, with your petitioners, will be ever bound by new ties of gratitude and affection, to the government, by their pardon.

Your petitioners, may it please your honours, in thus asking to be restored to the rights and liberties they have lost, and to the peace and protection of the commonwealth, are not influenced by the fear of further punishment; but in their reinstatement in the possession of such invaluable blessings, they wish to have an opportunity of proving to the world, the sincerity of their reformation, and of adding another happy instance to those which have been already so conspicuous from the clemency of this hon. court.

DANIEL SHAYS, ELI PARSONS.

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His excellency gov. Sullivan's meffage to the general court of New Hampfhire, at their seffin in December, 1787.

COME important dispatches, which S came to hand fince the close of the last fession, having rendered it necessary to call the general court together at an earlier day than that to which it stood adjourned-I have. by advice and order of council, directed your attendance at the place where, by your appointment, you were to hold the winter fession; and, although it is much earlier than you proposed to meet, I can see no reafon why all the business necessary to be transacted, may not as well be completed now, as at any other period.

Among the public papers which I have the honour to lay before you, the report of the national convention, respecting a plan of government for the people of the united states, with the resolve of congress accompanying the same, will undoubtedly claim your attention.

The important question, whether the proposed form shall be received or rejected, can no farther come under your consideration, at this time, than as it stands connected with, or may be affected by, your determination respecting the propriety of appointing delegates to decide upon it.

The proposed plan undoubtedly has its defects. The wisdom of man has never yet been able to furnish the world with a perfect system of government: perhaps that which claims the attention of America is liable to as few exceptions as any which has hitherto been produced.

I have carefully confidered the plan, and endeavoured to weigh the objections which have been raifed against it; and have not, as yet, been able to discover any of more weight than might be urged against the most perfect system which has ever been

offered to mankind; or, perhaps, might be alleged against any which human wisdom may ever contrive.

The requisition of congress, of the eleventh of October last, for supplies, to enable that body to comply with public contracts, will merit your attention. The new proportion, and the act for settling the estates of intestates, which were postponed the last session, are not unworthy of your notice at this time. The necessary grants for support of our own government, will claim a share in your deliberations.

Should you think proper to confider and determine upon the matters before mentioned, I know of nothing of fufficient importance to demand another meeting of the general court before the next election. Should congress find that the proposed constitution is agreed to by a sufficient number of states, and call upon this state to surnish members to attend the first meeting under it, your attendance may again become necessary; otherwise, the expence and trouble of another session may be avoided.

Permit me, gentlemen, to recommend to you, unanimity and difpatch; and to affure you, that I shall most chearfully join you in every measure for promoting the pub-

lie interest.

Given at the council chamber in Portfinouth, the 5th day of December, 1787, and in the 12th year of American independence.

JOHN SULLIVAN.

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Npeech of his excellency George Clinton, ofg. governor, Sc. of the flate of New York, to both honfes of the legislature, convened at Poughkeepsie, Jan. 11, 1788.

Gentlemen of the fenate and affembly,

T being effential to the welfare of
our confederacy, that the repre-

fentation in the national council, should be maintained without intermission—and as the term, for which the delegates from this state were elected, is expired—you will perceive the necessity of proceeding to an immediate new appointment.

Gentlemen, the requisition for the federal fervices of the current year, also claims your early attention. I have full confidence, that the fame fpirit, which has invariably influenced the legislature of this state, will induce you to a chearful and effectual compliance with every meafure founded on the national compact, and necessary to the honour and

prosperity of the union.

It will appear from the act of congress, and other papers on the subject, that the supplies, required & : the common treasury, are principally to arife from the arréars due on former requisitions. Advantages will, therefore, refult from the punctuality of palt payments: as a greater proportion of the resources of flate may now be applied to the relief of our own citizens. To affift you in making the necessary arrangements, I shall caufe to be laid before you estimates of the public debts, with the receipts and expenditures, fince the conclusion of the war, ab-Rracted from the treasurer's annuallyaudited accounts, by which you will be particularly informed of the prefent state of our treasury.

It gives me great pleafure to inform you, that the jurisdiction-line between the commonwealth of Massachusetts and this state, which has been so long a subject of controversy, and attended with much inconvenience and distress to the borderers, is at length finally adjusted; and that the boundary line between this state and the commonwealth of Pennsylvania, is also completed. The reports of the commissioners, employed in these respective transactions, accom-

panied with maps of the lines, will be delivered to you, in order that the proper directions may be given for their authentication and deposit, and for the final liquidation and fettlement of the expenses which have attended these services.

I shall leave with you the several official communications, which have been made to me in the recess: with these, you will receive the proceedings of the general convention lately held in the city of Philadelphia, and an act of the united states in congress, for their transmission to the legislatures of the different states. From the nature of my office, you will easily perceive, it would be improper for me to have any other agency in this business, than that of laying the papers respecting it, before you for your information.

Gentlemen, it must afford the highest satisfaction to observe, that under the bleffing of heaven, tranquility and good order continue to prevail throughout the state; and that by the industry of the citizens, the country is in a great measure recovered from the wastes and injuries of war. The profuse use, however, of luxuries brought from abroad, drains us of our wealth, and is the fource from which most of our prefent difficulties proceed. I would, therefore, submit to the wisdom of the legislature, the propriety of limiting the confumption of foreign articles, by encouraging the manufacture of our own productions, as far as may be confistent with our situation, and a due regard to beneficial commerce.

GEORGE CLINTON.

Answer of the senate.

SIR,

FULLY impressed with the necesfity of maintaining a constant representation in the national council, the legislature proceeded, at an early day, to the appointment of a delegation for the present year.

Sentible of the obligation of a strict adherence to the national compact in all its parts, the requisition for the federal services of the current year, will claim our earliest attention. It affords us real fatisfaction to learn, that from the arrangements of the national finances, this state will experience those benefits, which it had reason to expect, from its exertions on former occasions. This fatisfaction is increased by the reflection that it will afford the legislature an opportunity of applying a considerable portion of the refources of the state, to the diminution of its own

We contemplate with real pleafure the advantages which must necessarily result from a final adjustment of the jurisdiction-lines between this state and the commonwealths of Massachusetts and Pennsylvania.—Measures have already been adopted for the authentication and deposit of the reports and proceedings of the commissioners—who have been engaged in that important transaction: and provision will be made for liquidating and discharging the expences which have accrued in those fervices.

The feveral official communications, which your excellency has been pleafed to lay before us, will claim the attention due to their importance.

The tranquility and good order, which pervade this state, are a bleffing for which our most grateful acknowledgments are due to heaven. To this blessing, we may, in a great measure, attribute that spirit of industry, so prevalent in our fellow citizens; and which, we assure your excellency, our best endeavours will be exerted to continue and extend, by discountenancing every supersuous consumption of foreign

commodities, fo detrimental to the true interest of the state.

By order of the fenate,

Pierre Van Cortlandt, president, Senate chamber, Jan. 26th, 1788.

A message from the president and the supreme executive council of the commonwealth of Pennsylvania, to the general assembly.—reb. 21, 1788.

Gentlemen,

E fincerely congratulate your honourable house on the ratification of the federal constitution by the convention of this state, since your last recess: and we flatter ourselves that its adoption will be attended with important good consequences to all the states in the union.

In compliance with your resolution of the 13th of November last, we have obtained, and now lay before the general affembly, descriptions of the lands lying between the northern boundary of this state and Lake Eri, with an estimate of the fums which will probably be necesfary for the purchases of the same, as will appear by the papers marked no. 1 and 2, to which we beg leave to refer. We have likewife wrote to our delegates in congress relative to the estimate—their answer, as soon as it comes to hand, will be transmitted to your house.

A revenue law of this state, passed the 25th day of September, 1783, requiring merchants who re-ship goods from Philadelphia to produce within one year certificates of the goods being actually landed at the port of destination, appears to bear hard on the trade of this port:—we therefore recommend a revisal of the aforesaid revenue act, when the merchants will have an opportunity of laying the particular inconveniences

before your house.

The officers of the land-office do not consider themselves authorised by the present laws to grant re-locating warrants, in cases where warrants on which the purchase-money has been paid, are deprived of land by prior grants:—we are of opinion, that this power ought to be given; as the time may come, when vacant lands will not remain for them, and in that case the owners may call on the state for compensation.

The granting of land in the late purchase, has nearly ceased, and we are apprehensive that this fund will continue unproductive, until the terms of the new purchase are lowered—a measure which we therefore

recommend.

Great mistakes have been committed by the orphans' courts of the different counties of this state, respecting pensions; particularly in providing for the support of the widows and orphans of militia-men who fell in the late war: this power, in the opinion of council, ought to be lodged in more proper hands, and its decisions thereby rendered more uniform.

The continual depreciation of our paper money merits the most ferious attention of your honourable house. This circumstance, alone, diffuses languor and embarrassment through the whole executive department of government-contracts cannot be completed for the making of roads, or any other public business, without either risquing the honour of government, or acting on an implied depreciation of money; fituations equally irksome and ineligible. cannot help fuggesting the propriety of more speedily destroying as much of it as is in the power of the treafury.

The time limited by law, for completing titles for lands, held under office-rights, obtained before the 10th day of December, 1776, expires on the 10th day of April next—we are f opinion that the extension of that

eriod is necessary.

The benefits expected from the enal law, having not equalled the enevolent wishes of its friends and ramers, we recommend such altertions to be made in it, as shall be alculated to render punishment a neans of reformation, and the labour of criminals of profit to the state. The attention are experiments in Europe have denonstrated that those advantages are only to be obtained by temperance and solitude of labour.

The act entitled, "an act appointing wardens for the port of Philadelphia, &c." passed the 26th day of February, 1773, having by experience been found useful, and being on the point of expiring, we recommend an immediate renewal of the same for a further term, with uch improvements as may occur to

you.

We again recommend to the notice of your honourable house the refolution of congress, passed March 21, 1787, and beg leave to suggest the propriety of passing a declaratory act, to answer the end intended by the said resolution.

The latest accounts from the county of Luzerne, communicated to us by col. Pickering, represent the settlement as being in perfect quietness at present, and that the laws of this

state have their free operation.

We have now the pleasure of laying before you a map of the northern boundary of this state, as run by the commissioners appointed for that purpose, who have completed that useful work. We also herewith communicate a letter from his excellency Samuel Huntington, esq. governor of the state of Connecticut, in consequence of which we have mitigated the severity of John Franklin's consinement as much as circumstances would warrant.

B. FRANKLIN.

Speech of his excellency John Hancock, to the legislature of Massachusetts, Feb. 27, 1788.

Gentlemen of the fenate, and gentlemen of the house of representatives,

THE letters which I have received in the reces, the fecretary will lay before you: they are not of fuch importance, as to claim any particular notice from me at this time.

The adjournment of the general court, for the space of one week, became necessary, in order to give the members, who were also members of the late convention, an opportunity of returning home before the meeting of the legislature. I could have wished that the proclamation of adjournment had been of an earlier date; but the fession of the convention, by the importance of the business before that body, was protracted beyond what was expected. I flatter myfelf that this will be fatisfactory, as well to those of you, gentlemen, who, having not heard of the adjournment, have been fome days waiting in town, as to those who may be apprehensive that the business of the present session will demand a longer time, than can be conveniently afforded at this feafon of the year.

I have nothing of more importance at this time to recommend to your deliberation, than the lands of the commonwealth. It is fearcely necessary to remark, that this state, from its particular situation, as well as from the noble ardour of its citizens in defence-of their liberties and independence, hath accumulated a very heavy debt: the interest of which arises to ninety thousand pounds annually. This consideration alone, gentlemen, should induce us, by every possible exertion, consistent with the peace of the com-

monwealth, to diminish the principal. In order to this, the great quantities of unappropriated territory, both in the eastern part of the government, as well as the immense track lately ceded to us by the state of New York, afford ample resources, if wiscly and expeditiously improved by that spirit of unanimity and discernment which I flatter myself will always distinguish your conduct, when the interest of the people is so deeply and essentially engaged in the result of your deliberations.

I am forry that my duty urges me to mention to you the necessity of a small tax: but the treasury is so far exhausted, that the business of the government must cease its progress

unless a tax is granted

Since the last fession, Luke Day, one of those persons for whose arrest a bounty was offered in consequence of an act of the legislature, has been taken by some of the citizens of New Hampshire, to whom one hundred pounds has been paid, upon their delivering him into the custody of the strength of the county of Sussoliton be thrown into obliviou, consistently with the honour of government and the safety of the people, I personal myself it would give fatisfaction.

In the beginning of your last feffion, I laid before you the constitution and frame of government for the united states of America, agreed upon by the late general convention, and transmitted to me by congress. As the fystem was to be submitted to the people, and to be decided upon by their delegates in convention, I forbore to make any remarks upon it. The convention which you appointed to deliberate upon that important subject, have concluded their fession, after having adopted and ratified the proposed plan, according to their resolution, a copy whereof, I

have directed the secretary to lay b fore you.

The obvious imbecility of the confederation of the united states, he too long given pain to our friend and pleasure to our enemies. Buthe forming a new system of government, for so numerous a peopl of very different views and habit spread upon such a vast extent of teritory, containing such a great varety of soils, and under such extremos climate, was a task, which nothin less than the dreadful apprehension of losing our national existence could have compelled the people tundertake.

We can be known to the world only under the appellation of the of the united states; if we are rol bed of the idea of our union we in mediately become feparate nation. independent of each other, and n less liable to the depredations of fc reign powers, than to wars and bloc dy contentions among ourselve: To pretend to exist as a nation without possessing those powers c coercion, which are necessarily inci dent to the national character, would prove a fatal folecism in politics The objects of the proposed consti tution, are defence against externa enemies, and the promotion of tranquility and happiness among the states. Whether it is well calculated for those important purposes, has been the subject of extensive and learned discussion in the conventior which you appointed. I believe there was never a body of men affembled, with greater purity of intention, or with higher zeal for the public interest. And although when the momentous question was decided, there was a greater division than fome expected, yet there appeared a candour, and a spirit of conciliation, in the minority, which did them great honour, and afforded a happy prefage of unanimity amongst the ople at large. Though fo many the members of the late convenon could not feel themselves conneed that they ought to vote for ratification of this system, yet in opposition was conducted with andid and manly firmness, and the fuch marks of integrity and il regard to the public interest, as it them the highest honour, and wes no reason to suppose that the me and good order of the gonment is not their object.

The amendments proposed by the wention, are intended to obtain ontitutional fecurity of the princles to which they refer themselves, I must meet the wishes of all the es. I feel myself assured that y will very early become a part the constitution: and when they il be added to the proposed plan, tall consider it the most perfect em of government, as to the obsit embraces, that has been wen amongst mankind.

Gentlemen, as that Being, in ofe hands is the government of all nations of the earth, and who putdown one, and raifeth up another, ording to his fovereign pleafure, given to the people of these es, a rich and an extensive coun--has, in a marvellous manner, in them a name and a standing ing the nations of the worldbleffed them with external peace, internal tranquility—I hope and that the gratitude of their ts may be expressed by a proper of those inestimable bleshingshe greatest exertions of patriot--by forming and fupporting intions for cultivating the human rstanding, and for the greatest refs of the arts and sciences stablishing laws for the support iety, religion, and morality, as as for punishing vice and wickfs-and by exhibiting, on the : theatre of the world, those so-

cial, public, and private virtues, which give more dignity to a people, possessing their own fovereignty, than crowns and diadems afford to fovereign princes.

Every matter of a public nature, which may occur, worthy of your notice, shall be communicated by message: and in every concern, tending to promote the public welfare, I shall be happy to concur with you, and be ready at all times to give every possible dispatch to the business that may come before you.

JOHN HANCOCK. Council chamber, Feb. 27, 1788.

Speech of his excellency gov. Huntington to the legislature of Connecticut, May 1788.

Gentlemen of the council, mr. Speaker, and gentlemen of the house of representatives,

THE annual business of the May fession, will at this time, of course, claim your attention.

It will be remembered, that the affembly, at their last fession, were pleased to invest the governor with the necessary powers, in their recess, to furnish this state's quota of officers and troops, to be stationed on the western frontiers, agreeably to the act of congress of the third of October last. That business has been completed, fo far as the duty devolved upon me: and the proceedings will now be laid before you. The recruiting fervice is now going on: and it is probable there will be no difficulty in obtaining the complement of men.

The law of this state, made in pursuance of the act of congress, which makes provision for officers, foldiers, and scamen, disabled in the fervice of their country, in the late war, appears to be inadequate to

answer the design. While other states, and their citizens, are taking the full benefit of that provision, there are a number of meritorious officers and privates in this state, who, though suffering under their wounds, and equally deserving, can obtain no relief. Let me recommend to the assembly to make the necessary provision in this case.

The support of public faith is an object ever to be kept in view. Without it, no government can be long reputable—no people happy.

You will doubtle's find it indifpensible in the course of the present session, to make adequate provision for the support of civil government the current year.

There are feveral regulations of congress, which will also merit your

confideration.

As we continue to enjoy the bleffing of peace and internal quiet, and (with great fatisfaction let me add,) industry feems generally to pervade the state, will it not be wife for this assembly to devote a part of the selfion, in consulting such measures as shall in the best manner aid and cultivate the arts of peace, promote agriculture, and such manufactures as ought to be encouraged, and may be carried on with profit to the undertakers, when the business is well understood?

It feems that a voluntary company in this city and its vicinity, are attempting to fet up the woollen manufactory, in a manner fo extensive as to reap the advantage of a proper division of labour, in the various branches of that business: will not it be proper for the assembly at this time to give some encouragement, in such manner as they shall judge most expedient, to promote and establish a business of so much importance as the woollen manufacture in this state? Our slocks of sheep are rapidly increasing, owing in some measure to

the encouragement the legislature have given for raising sheep, althous other causes have no doubt co-operated in producing the effect: 't principal raw materials for this nearly ment, abound in this state.

The promoting of education is matter of great importance: meefpecially that degree of educati which ought to be universally inc cated upon children and youth of ranks and conditions of life. If consider the subject, not only as respects the happiness of individe in this and a future life, but also effect it must have with regard to public weal, it will appear of greatest importance: a happy contitution and government never be enjoyed or maintained, by an literate or savage people.

The danger of neglecting means of education lies more in feure parts and parishes, than in pulous cities and towns in this st

Although government have I compelled, by necessity, to with for a time the aid and encourager which was formerly given for support of schools, is it not now come expedient for the legisla again to lend their fostering hand some way to encourage the necessinstruction of the succeeding gertion?

There are other matters of im tance which will doubtless cla consideration, and which your dom and prudence will bring view in the course of the fession.

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A co

Form of the ratification of the feconstitution by the Maryland contion.

Convention of the delegates of people of the state of Maryland, April, 1788:

WE, the delegates of the posterior of the flate of Maryland

n of the united states of America, ported to congress, by the conention of deputies from the united ates of America, held in Philadelhia, on the 17th September, 1787, f which the foregoing is a copy, * nd submitted to us by a resolution the general assembly of Maryland, 1 November session, 1787, do, for arfelves, and in the name and on the behalf of the people of this state, sent to and ratify the said constitution. In witness whereof we have reunto subscribed our names.

ing fully confidered the constituti-

The yeas and nays being taken, the question to agree to the above tification, were as follow:

Affirmative. The honourable the efident; meffrs. Barnes, Chilton, ewal, W. Tilghman, Yates, Perns, Granger, Wilkinson, Grahame, hesley, Smith, Brown, Parnham, urner, Stone, Goldfborough, Lloyd, evens, G. Gale, Waggaman, Stewt, John Gale, Hammond, Sulliane, Shaw, Gilpin, Hollingsworth, leron, Evans, Bowie, O. Sprigg, lall, Digges, Carrol, Hanson, J. ilghman, Seney, Holliday, Hemsy, Chaille, J. Martin, Morris, one, Johnson, Love, Potts, Faw, aca, J. Richardson, Wm. Richardon, Driver, Edmonson, M'Henry, oulter, T. Sprigg, Stull, Rawlings, hryock, Cramphin, Thomas, Deains, Edwards.

Negative. Mcffrs. J. T. Chafe, Chafe, Mercer, Harrifon, Ridgely, lidgely of William, Cockey, Cromrell, Love, Pinckney, L. Martin, 11

NOTE.

* A copy of the constitution, was unexed to the ratification.

A speech, delivered by a minister to his people, in the town of ** ** **, in the state of Massachusetts, on the 4th of January, 1787, previous to reading the address of the general court, of that state, at a lessure held for that purpose.

My fathers and brethren,

VOU are not ignorant of the occasion for which we are now affembled. I have orders to communicate to you an address from the fupreme authority of this commonwealth. They have appealed to you in common with the rest of the community. They have laid before you their proceedings, and the motives of their conduct. As your civil fathers, they certainly deferve from you attention and respect: as a power arising from your free and unbiaffed election, they have a claim to your obedience. Many of them, you well know, in private life, to be men of unquestioned integrity. Their representation of the state of your affairs deserves great notice: and if you that your eyes or fendes against plain evidence, you are guilty of a high degree of madness and vice. Rude and unquiet spirits are conflantly exasperating your passions against the conduct of your rulers. They are evidently endeavouring to enkindle the flames of war around you, and exposing this state, lately peaceable and happy, to all the horrors of confusion and carnage. Will you give a candid and gracious hearing to such pestilent, seditious men, who excite you to fury and arms, when you know some of them to be infamous in private life, and at the fame time treat the folemn appeal of your delegated fovereignty with coolness and contempt? You may posfibly think that I am out of the line of my effice, in pronouncing my fentiments upon this subject, more especially, since, by the courtesy of

the laws, men of my profession are exempted from public taxes. To excuse myself for this attempt, I would acquaint you that the government have expressly requested the influence of our order, with their connexions, for the support of society, at this dark day. I have been also defired, by fome respectable individuals in the parish, to exert myself for the same purpose. I feel animated to deliver my opinion freely, when I fee the faces of fo many friends, whose generofity and kindness hath exceeded both my wishes and merits. From those who have expressed such a difposition in all other instances. I have reason to expect in this, patience and candour, though their apprehenfions of the merits of the question be different from my own.

What I shall principally observe to you, at this time, may be comprehended in two parts. In the first, I shall make fome remarks on the necessity of government-the different effect of those which are free. and those which are tyrannical-and the conduct of former nations under the latter: and then I shall come more immediately to our own country, and the commotions which prevail in it. Thefe divisions, however, will not hinder me from intermingling fuch transient reflections. in each of them, as may tend to illustrate and confirm both.

I trust, I need not be particular in proving to you the necessity of government and subordination among mankind. It is demonstrated, not only from the wants and vices of man, but from every part of the universe which is visible. Look up to the heavens over your head. Observe the sun, moon, and stars; the two former, how apparently superior to the latter, as to light and greatness! and, among the lesser luminaries, the same gradation is continued; since not only the discovery of

natural philosophy, but even the na ked eye, discerns that one star di fereth from another in glory. Loo around the earth, in which we dwell observe the difference between th oak upon the mountain and the plan of a day's growth-between the lic of the forest and the insect which crawls beneath your feet. Reflect up on the different powers and facultiof the human mind, from the mo brilliant accomplished genius to tl next idiot you meet-and then yo must be perfuaded, that heaven hat convinced you, by these striking te timonies, of the necessity of subo dination among men-that to a tempt to rebel against so plain a prin ciple would not only be violating th positive laws of society, but makin an attack upon nature herfelf. Be if reason be unavailing to enforce th belief of fo clear a truth-yet or feelings will confirm it. We fee i the best ordered communities, when there are the wifest laws, that crime terrible to nature, and to the peace and existence of individuals, are con mitted. What should we expect from the passions of men in a state of 1 centiousness and anarchy, when the restraints are taken away? Whe wickedness is unrestrained by fer of punishment, and is attended b the passions of avarice, lust, and n venge, how horrid the condition c the weak and peaceable! It is thou checks, and those alone, which kee your lives and property from bein assaulted by the robber in the streetand enable you to fleep quietly o your beds, without dreading the mid night affassin. Thus the necessity o government is not only confirmed to you by the voice and works o providence, but is found, by the tel timony of your own experience, a necessary for man as the element wherein he breathes.

Government is various as to it forms and exercise. In most nations

fingle man is invested with the abplute disposal of the lives and forines of the people. Supposing that man, perfectly wife and perfectly ood, were intrusted with this powr, it would, without doubt, be the est: for all measures would be lanned with wifdom, and executed ith vigour. But, confidering the nperfection of the nature of man, his trust is too great and important or an individual. History hath bundantly certified it, by exhibitig to us fo many monsters in hunan form, who have facrificed manind to their ambition, avarice, and ruelty. The evils of despotic goernment are as great as those of narchy: and they, who fly from mild government to a monarchy, vill foon find the terrible confeuences of the latter. It would be rell for fuch of our fellow citizens, s are enlifting under the banners of esperate wretches, to think first on he confequences of absolute power, before they contribute to establish it

To remedy the evils of despotic lower, some of the wisest nations lave established free governments, Their falutary influence hath been cnown and witneffed by the brightaft pages of human history. Re-10wn, for wifdom, for virtue, for irms, and for opulence, hath marked the character of those regions, where national liberty hath been enjoyed, and where a proper share of power and honour is proportioned to the feveral ranks in the community. But even these nations have not been without commotions fimilar to our own: the effect of them was the loss of their freedom. At Athens, fome artful demagogue procured a law for the abolition of debts, and the equal division of property. The former was carried into execution: the latter never was. The common people

n the hands of fome of the vileft

and weakest of the human species.

foon found they were the tools of defigning men: they remained equally unhappy and indigent. The fame people were inveigled, by deceiving traitors, to banish their beit and wifest men—to neglect providing for war—to break private contracts—to quarrel and be factious among themselves. Philip of Macedon took the advantage of their condition, and conquered their country.

When Catiline defigned to burn the city of Rome, and murder all ranks of people indifcriminately, he professed himself to be the patron of the poor: and many there were, who wished him success, whom he intended to have involved in ruin and death; fo apt and eafy are the multitude to be deceived, and so loth are they to hear the truth. Cæfar fucceeded in tyranny over the fame nation, by acting a very fimilar part: he affected to free Rome from the tyranny of the fenate: and in the end, both fenate and people were flaves.

These are, my friends, solemn and affecting examples. Their history, like the tombs of the dead, affords both warning and terror. The freedom and dignity of a nation are acquired by blood and danger. It is easy to facrifice these advantages in the moments of suspicion and caprice.

The citizens of America engaged in the revolution, from a thorough conviction, that their rights and privileges were invaded. Some pledged their estates, fome their fervice, and others their lives. The two former of these would have reason to class us with the most infamous of mankind, if we attempt to cheat them out of their property: and yet the payment of public contracts is held up as one of the grievances of the day: and we are threatened, because this is not done, not merely with the destruction of our form of ga-

vernment, but with a diffolution of the union. And the malcontents have openly boafted, that they can have affiftance from Britain, if too weak of themselves to accomplish their defign. But be not deceived. Vengeance will overtake us, if we attempt to break public faith or private engagements. France, Spain, and Holland would league against a country fo much their debtor. The domellic creditors of the commonwealth would unite in defeating fo impious a defign: and every honest man in the community would either draw his fword, or open his purfe, to defeat fo much villainy and fraud. These consequences are as certain as they are near. There is, therefore, no time to trifle. Every man ought to know the effects of his conduct. before he begins. These commotions will very foon bring on a civil war in the land, and with it all the evils which affect humanity. Every fierce, and ungovernable paffion, which difturbs the human breast, will be difplayed. Cruelty, rapine, and carnage will mark its footsteps. Poverty and tyranny will close the train. In fact, as the Roman orator justly observed, from the fatal experience of it in his own country-" In ci-" vil wars, every calamity is felt. "Conquest itself is to be dreaded, " though it should fall to the right " cause: for if the better side are " disposed to be mild and gentle by " nature, they are forced to be cruel " by necessity, for their establish-"ment and prefervation." May heaven preferve us from proving the justice of these observations in our own country! Therefore, before we are fo rash, as to oppose a government constituted by the people, we ought folemnly to confider the effects of fuch an attempt. There are always citizens whom pride, idleness, or despair, prompts to hazardous undertakings. If the fober part of the

community join with and suppothese incendiaries, the latter must lequally answerable, for the bloc that is spilled, and for the rui brought on their country, before the tribunal of Omnipotence.

But over whom do these arme multitudes wish to gain a victory Over a foreign enemy? Over a fcer tred tyrant, who hath invaded the rights, and flaughtered their bre thren? Over the barbarians of th wilderness? None of these are th objects of their opposition. whom, then, are they waging war With venerable, grey-headed cit zens, who are entrusted with the execution of the laws-with the ma jesty of the laws-with the tribuna of justice—with the form and e fence of our constitution-with th peace and property of every virtuo man in the state. Their victory wi be followed with the ruin and tear of the widow and orphan-with th stagnation of commerce—in fine with every curse that can befall free and opulent nation. Happy ar they who are already numbered wit the dead, and are not living witne fes of the difgrace and destruction c their country.

Charity obliges me to think fa yourably of the common people, wh have been concerned in these infus rections: but however honest c good their motives may be, they ar a very dangerous fet of men: fc admitting that grievances in govern ment are existing, have they use the proper means to redrefs them Are they men of information and ex perience? Are they not prejudiced even to rancour, against all wh have the administration of public af fairs? How many disorders are com mitted, by young men, in the hour of mirth and recreation, when their fpirits are raifed by company and wine? How many more disorders then, may we expect from men whi re drunk with passion, instigated to trms by false reports, and under the lirection of leaders of dissolute, abanloned morals, and desperate circumtances—men who, so far from wishng to undeceive them, will take sleafure in inflaming their resentment—under leaders who have no topes, or prospects, but from the detruction of the commonwealth?

There is not a man, in his cool noments, but will pronounce such a recourse to arms, in a government ike ours, as unnecessary as dangerous.

Hath not the meanest citizen a right in all important elections? Are not our governor, senate, and repreentatives annually chosen? Cannot we cause them to return to private ife, if they have acted weakly or wickedly? What constitution can be more liberal and equal? When the people delegate their authority, those, to whom that trust is committed, must have both influence and power, or else the defign of their appointment is defeated-and they who elect, lofe the advantages of fociety, by reverting to a state of anarchy and nature. But the present authority hath by no means heen negligent, either of the wishes of the people, or the good of the commonwealth. In their last session, they passed an act for the relief of debtors, making real and personal property a tender for debts. Several laws have been enacted, respecting writs and references, which have nearly annihilated the inferior courts. They have lowered the fees of civil officers, at least a quarter part-and we have no doubt that other suppofed grievances would have been redressed, had not the dignity of government been insulted with armed rioters-and riotous men supposed they had a right to demand, by force, what they neglected to apply for in a peaceable manner.

Our grievances, I am persuaded,

by no means originate from our prefent authority, or the domestic charges of government: for they fpring from other causes, notorious to every fensible man in the community. We have lived in luxury fince the peace. The memory of paper money hath rendered property precarious, and prevented the opulent from engaging in fuch modes of bufinels as would increase their property, and find employment for the poor. Let us endeavour to remedy these defects by wise and good laws, which shall secure to every man his property. Let us introduce œconomy, not only into the administration of government, but into our own houses. Let the debtor be open and fair, and, as far as possible, punctual to his engagements. Let the creditor avoid needless law suits, nor drive the lower orders of fociety to despair. In one word,-if we endeavour to fill up the duties we owe to government and ourselves, in the best manner we are able to do, I am perfuaded our affairs will assume a new countenance. We should be more respected abroad, and happier at home. We have a large and extensive country. We have advantages both for foreign commerce and internal manufactures. The reason why we at prefent fuffer, is because these benefits are not improved. Let our laws be wife and falutary, and let us wait patiently until they can have time to operate, and no doubt we shall fee an alteration in the state of our country.

Let me therefore, my friends, once more renew my request to you—that you would examine into the facts, which, from the mouth of our supering authority, I shall now pronounce in your hearing. Let me conjure you, by all that is facred and dear to you, not to harbour prejudices against the government which you have yourselves pronounced law-

ful. Excuse me, if I am the more earnest on this point, when you know my reasons. For these six months past, infamous and vile men have made it their employment to propagate notorious salfehoods, respecting the first names and officers in this commonwealth. They have succeeded too well for your peace and tranquility. From this source, we may trace out no small degree of that suspension and jealousy, which hath sourced many (otherwise well-disposed) persons, not only towards men, but even the laws themselves.

Public flander, like private, is edious to all fober, confiderate men. The effects of the former are much more mischievous than the latter, as the quiet and felicity of a nation are more to be regarded than those of a single person. Public calumny was the cause why Socrates was murdered with the forms of law. It was the same principle, which instigated the mobs of Athens and of Rome to banish their best citizens, and commit the administration of their affairs to men of the blackest minds and most depraved manners.

While I am addreffing you upon the subject of public calumny, and warning you of the fatal confequences of it, I would beg your attention while I refute a popular error imbibed by many at this day, and which is received by the inexperienced part of the community as a truth, i. c. that men in place and power are in league with the opulent part of the community, to trample upon the rights of the poor, and engrofs the wealth of the country in the hands of a few. With respect to men in public offices, the short time of their continuance in trust, and their dependence on the people at large for re-election, must appear a fufficient confutation of the charge. Nor doth the accufation against men of property appear to be better fupported. If a tyrannical form of government is introduced, will not their immediate posterity be sufferers with others? Indeed, there are so few of us raised beyond moderate circumstances, and our form of government is so popular, that we have very little to fear, at this day, from men of property.

I have thus far, with great freedom, offered my fentiments upon our affairs. Notwithstanding our present embarrassments, we have the means of felicity in our hands. have a free government-and time, industry and moderation will effectually lighten our present burdens. But if we go on in diffipation and prodigality-in riot and tumultmelancholy experience will foon demonstrate, that tyranny and licentiousness are nearly allied: -we shall lay a foundation for very ferious reflection-which will terminate, not in reformation, but despair,

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Refolutions entered into by the house of burgesses of Virginia, relative to the stamb-aet, on the 29th of May, 1765.

HEREAS the honourable house of commons in England, have of late drawn into question, how far the general assembly of this colony hath power to enact laws for laying taxes and imposing duties, payable by the people of this his majesty's most ancient colony; for settling and ascertaining the same to all future times, the house of burgestes of this present general assembly have come to the several following resolutions:

Refolved, that the first adventurers and settlers of this his majesty's colony and dominion of Virginia, brought with them, and transmitted to their posterity, and all other his majesty's subjects since inhabiting in this his

majesty's colony, all the privileges and immunities that have at any time been held, enjoyed, and possessed by

he people of Great Britain.

Refolved, that by the two royal charters granted by king James the first, the colonists aforesaid are declared entitled to all privileges of saithful, liege, and natural born subjects, to all intents and purposes, as if they had been abiding and born within the realm of England.

Refolved, that his majefty's liege people of this his most ancient colony, have enjoyed the right of being thus governed by their own assembly, in the article of taxes and internal police, and that the same have never been forfeited, or any other way yielded up, but have been constantly recognized by the king and people of Great Britain.

Refolved, therefore, that the general affembly of this colony, together with his majefty or his substitute, have, in their representative capacity, the only exclusive right and power to lay taxes and impositions upon the inhabitants of this colony; and that every attempt to vest such a power in any person or persons whatsoever, other than the general affembly afcresaid, is illegal, unconstitutional, and unjust, and has a manifest tendency to destroy British, as well as American freedom.

The following resolves were drawn up by the committee, but not passed.

Refolved, that his majesty's liege people, the inhabitants of this colony, are not bound to yield obedience to any law or ordinance whatsoever, designed to impose any taxation whatsoever upon them, other than the laws and ordinances of the general assembly aforesaid.

Refolved, that any person who shall, by speaking or writing, maintain that any person or persons, other than the general assembly of this co-

lony, have any right or power to impose or lay any taxation whatsoever on the people here, shall be deemed an enemy to this his majesty's colony.

Refolutions agreed to by the house of asfembly of the province of Pennsylvania, relative to the stamp-aet, September 21, 1765.

THE house taking into consideration, that an act of parliament has lately passed in England, for imposing certain stamp-duties, and other duties on his majesty's subjects in America, whereby they conceive some of their most essential and valuable rights as British subjects, to be deeply affected, think it a duty they owe to themselves, and their posterity, to come to the following resolutions, viz.

Refolved, nem. con. that the affemblies of this province have, from time to time, whenever requisitions have been made by his majesty, for carrying on military operations for the defence of America, most chearfully and liberally contributed their full proportion of men and money for those fervices.

Refolved, nem. con. that whenever his majesty's service shall, for the future, require the aids of the inhabitants of this province, and they shall be called upon for that purpose, in a constitutional way, it will be their indispensible duty most chearfully and liberally to grant to his majesty their proportion of men and money, for the defence, security, and other public services of the British American colonies.

Refolved, nem. con. that the inhabitants of this province are entitled to all the rights and privileges of his majefty's subjects in Great Britain, or elsewhere; and that the constitu-

tion of government in this province is founded on the natural rights of mankind, and the noble principles of English liberty, and therefore is, or ought to be, perfectly free.

Refolved, nem. con. that it is the inherent birth-right and indubitable privilege of every British subject, to be taxed only by his own consent, or that of his legal representatives, in conjunction with his majesty, or his substitutes.

Refolved, nem. con. that the only legal representatives of the inhabitants of this province, are the perfons they annually elect to ferve as

members of affembly.

Refolved, therefore, nem. con. that the taxation of the people of this province, by any other perfons whatfoever, than fuch their reprefentatives in affembly, is unconflitutional, and fubversive of their most natural rights.

Refolved, nem. con. that the laying taxes upon the inhabitants of this province in any other manner, being manifestly subversive of public liberty, must, of necessary consequence, be utterly destructive of public hap-

piness.

Refolved, nem. con. that the vesting an authority in the courts of admiralty to decide in suits relating to the stamp duties, and other matters, foreign to their proper jurisdiction, is highly dangerous to the liberties of his majesty's American subjects, contrary to magna charta, the great charter and fountain of English liberty, and destructive of one of their most darling and acknowledged rights, that of trials by juries.

Refolved, nem. con. that it is the opinion of this house, that the reftraints imposed by several acts of parliament on the trade of this province, at a time when the people labour under an enormous load of debt, must of necessity be attended with the most fatal consequences, not only to

this province, but to the trade of ou mother country.

Resolved, nem. con. that this hous think it their duty thus firmly to al fert, with modesty and decency, their inherent rights, that their posterity may learn and know, that it was no with their consent and acquiescence that any taxes should be levied or them by any persons but their own reprefentatives; and are defirous that these their resolves should remain or their minutes, as a testimony of the zeal and ardent defire of the presen house of assembly to preserve their inestimable rights, which, as English men, they have possessed ever since this province was fettled, and to transmit them to their latest posterity."

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Address of the house of delegates of Maryland, to the governor of said province.

To his excellency Horatio Sharpe, efq. governor and commander in chief in and over the province of Maryland: the humble address of the house of delegates.

May it please your excellency,

E, his majesty's most dutiful and loyal subjects, the delegates of the freemen of the province of Maryland, in assembly convened, return your excellency our thanks for your speech at the opening of this session; and beg leave to assure you, that the opportunity your excellency has now afforded us, of promoting the true interest of our country, is extremely agreeable to us.

As we have thought it our indifpensible duty to our constituents, at this time to appoint a committee of some of our members, to join committees from the houses of representatives of the other colonies on the continent, who are to meet in the

ity of New York, on the first Tuesay in October next, in order to join a general and united dutiful, loyal, nd humble reprefentation to his rajesty and the British parliament, f the circumstances and condition f the British colonies and plantaons; and to implore relief against ome acts of parliament, we are inormed, have lately passed in Engind, whereby, it is apprehended, ne liberty of the colonies will be reatly abridged, which, with the latters necessarily relative to, and ependent upon it, (wherein we have net with some very unexpected deiys), has fo wholly engroffed our ttention, that we have not yet even ttled any of our ordinary rules for roceeding: we cannot doubt but we nall fland excused for being thus ite in answering your excellency's beech: and having now very nearly empleted that affair, and as the next nonth will be chiefly taken up in djourned county courts, by which everal of our members must be taken rom the business of the house, or reat numbers suffer by their suits ontinuing open at this time, we tope your excellency will, as foon as he present important business is fiisshed, give us a short recess of a ew weeks, that those inconveniences nay be removed, when we shall be very glad to have an opportunity of proceeding to the dispatch of the ineresting matters your excellency has been pleased to recommend to us, and to concur with the other branches of the legislature, in every measure tenling to produce the general welfare of our country, which we are much pleased to be affured by your excellency, you also consider as your own.

ROBERT LLOYD, Speaker.

Sept. 21, 1765.

Vol. III. No. V.

The governor's answer.

Gentlemen of the lower house of assembly,

As I perceive by your address, which hath been just presented to me. that you are defirous to have a short recess of a few weeks, I shall comply with your request; but it being probable that the stamped paper destined for this province, in consequence of the act of parliament that was made last fession, by the legislature of Great Britain, will arrive here before I shall have an opportunity of advising with you again, and that the master of the veilel who may have charge thereof, will defire me to give orders for its being landed, and lodged in a place of fecurity, especially as the person appointed to distribute the stamps here, has, I understand, left the province, I should be glad to know how you would advise me to act on such an occasion.

Sept. 28. HORATIO SHARPE.

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Refolutions agreed to by the lower house of assembly in the province of Maryland, September 28, 1765.

Refolved unanimously, that the first adventurers and settlers of this province of Maryland brought with them, and transmitted to their posterity, and all other his majesty's subjects since inhabiting in this province, all the liberties, privileges, franchifes, and immunities, that at any time have been held, enjoyed and possessed, by the people of Great Britain.

Refolved unanimously, that it was granted by magna charta, and other the good laws and statutes of England, and confirmed by the petition and bill of rights, that the subject should not be compelled to contribute to any tax, tallage, aid, or other like

charge, not fet by common confent

of parliament.

Refolved unanimously, that by a royal charter, granted by his majesty king Charles I. in the eighth year of his reign, and in the year of our Lord 1632, to Cacilius, then lord Baltimore, it was, for the encouragement of people to transport themfelves and families into this province, among other things covenanted and granted by his faid majesty, for himself, his heirs and successors, as followeth:

[Here are recited such parts of their charter as may be seen in the 10th and 20th clauses of the Maryland charter.] After which they proceeded thus:

Refolved that it is the unanimous opinion of this house, that the said charter is declaratory of the constitutional rightes and privileges of the

freemen of this province.

Refolved unanimoufly, that trial by jury is the grand bulwark of liberty, the undoubted birthright of every Englishman, and consequently of every British subject in America: and that the erecting other jurisdictions for the trial of matters of fact, is unconstitutional, and renders the subject insecure in his liberty and property.

Refolved, that it is the unanimous opinion of this house, that it cannot with any truth or propriety be faid, that the freemen of this province of Maryland are represented in the Bri-

tish parliament.

Refolved unanimoufly, that his majefty's liege people of this ancient province, have always enjoyed the right of being governed by laws, to which they themfelves have confented in the article of taxes, and internal policy; and that the fame hath never been forfeited, or any other way yielded up; but hath been conftantly recognized by the king and people of Great Britain.

Refolved, that it is the unanimo opinion of this house, that the repr fentatives of the freemen of this privince, in their legislative capacit together with the other part of the legislature, hath the fole right to be taxes and impositions on the inhabitants of this province, or their property and effects: and that the laying, imposing, levying, or collection any tax on or from the inhabitan of Maryland, under colour of at other authority, is unconstitutional and a direct violation of the rights the freemen of this province.

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Queries proposed by the chief justice the supreme court held at Perth And by, to the lawyers of said cour September 20, 1765.

WHETHER, if the stamp should arrive, and be place at the city of Eurlington, by or afte the first of November, they would as practitioners, agree to purchat them, for the necessary proceeding in the law?

Refolved, by the whole body, nen con. they would not, but rather fuffe their private interest to give way t the public opinion, protesting at th same time against all riotous and in decent behaviour, which they wil discountenance by every means i their power, to preserve order, and by an absolute refusal to make us of the stamps, and other quiet me thods, endeavour to obtain a repeal of the law.

Second, Whether it was their opinion, that should the act take place the duties could possibly be paid it gold and filver.

Answered by the whole body, i could not be paid in gold and filve.

even for one year.

Third, Then opinion was defired

hether, as the act required the gornor and chief justice to superintend e distributor, he should be obliged take charge of the distribution of estamps, by order and appointment the governor, if he should think oper to six upon him for that ofce?

Answered and advised, not to take upon him, the governor not being npowered by the act to appoint; or "he was, it was left to the chief jusce's option, and that it would be insupparible with his office as chief office.

The lawyers also of New-Jersey et, and resolved to lose all their bunes, rather than make use of any amps.

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xtrast from instructions of the inhabitants of the town of Plymouth to Thomas Forster, efg. their representative in the general assembly of Masfachusett's bay. Oct. 21, 1765.

OU, fir, represent a people who are not only descended from ne first settlers of this country, but shabit the very spot they first poseffed. Here was first laid the founation of the British empire in this art of America, which from a very mall beginning, has increased and pread in a manner very furprifing, nd almost incredible; especially vhen we confider that all this has been effected without the aid or affifance of any power on earth; that ve have defended, protected, and feured ourselves against the invasions ind cruelty of favages, and the fubilty and inhumanity of our inveteate and natural enemies the French; and all this without the appropriation of any tax by stamps, or stamp acts aid upon our fellow subjects in any part of the king's dominions, for deraying the expences thereof. This

place, fir, was at first the asylum of liberty, and we hope will ever be preserved sacred to it; though it was then no more than a forlorn wildernefs, inhabited only by favage men and beafts. To this place our fathers (whose memories be revered) possesfed of the principles of liberty in their purity, disdaining slavery, fled to enjoy those privileges which they had an undoubted right to, but were deprived of by the hands of violence and oppression in their native country. We, fir, their posterity, the freeholders and other inhabitants of this town, legally affembled for that purpose, possessed of the same sentiments, and retaining the same ardour for liberty, think it our indispensible duty, on this occasion, to express to you these our sentiments of the stamp act, and its fatal consequences to this country, and to enjoin upon you, as you regard not only the welfare, but the very being of this people, that you (consistent with our allegiance to the king, and relation to the government of Great Britain) difregarding all propofals for that purpose, exert all your power and influence in relation to the stamp act, at least until we hear the success of our petitions for relief. We likewise, to avoid difgracing the memories of our ancestors, as well as the reproaches of our own consciences, and the curses of posterity, recommendit to you to obtain, if possible, in the honourable house of representatives of this province, a full and explicit affertion of our rights, and to have the fame entered on their public records, that all generations yet to come, may be convinced, that we have not only a just fense of our rights and liberties, but that we never (with fubmission to divine providence) will be flaves to any power on earth; and as we have at all times an abhorrence of tumults and diforders, we think ourselves happy in being at present under no

apprehensions of any, and in having good and wholesome laws sufficient to preserve the peace of the province in all future times, unless provoked by some imprudent measure: so we think it by no means adviseable for you to interest yourself in the protection of stamp papers, or stamp officers.

The only thing we have further to recommend to you at this time, is to observe on all occasions a suitable frugality and economy in the public expences; and that you consent to no unnecessary or unusual grant at this time of distress, when the people are groaning under the burden of heavy taxes: and that you use your endeavours to enquire into, and bear testimony against, any past, and to prevent any future unconstitutional drasts on the public treasury.



The American crisis. No I.

By mr. Thomas Payne.—Published in December, 1776.

THESE are the times that try men's fouls. The fummer folmen's fouls. The fummer foldier and the funshine patriot will, in this crisis, shrink from the service of his country: but he that stands it now, deferves the thanks of man and woman. Tyranny, like hell, is not easily conquered: yet we have this consolation with us, that the harder the conflict, the more glorious the triumph. What we obtain too cheap, we esteem too lightly: 'tis dearness only, that gives every thing its value. Heaven knows how to fet a proper price upon its goods: and it would be strange, indeed, if so celestial an article as freedom should not be highly rated. Britain, with an army to enforce her tyranny, has declared, that she has a right, not only to tax, but "to bind us in all

cases whatsoever:" and if bein bound in that manner is not slaver there is not such a thing as slave upon earth. Even the expression impious: for so unlimited a pow can belong only to God.

Whether the independence of t continent was declared too foon, delayed too long, I will not now e ter into as an argument: my ov fimple opinion is, that had it bee eight months earlier, it would ha been much better. We did not mal a proper use of last winter; neith could we, while we were in a depe dent fituation. However, the faul if it were one, was all our own: w have none to blame but ourselves But no great deal is lost yet: all the Howe has been doing for this mont past, is rather a lavage than a cor quest, which the spirit of the Jersi a year ago, would have quickly re pulsed, and which time and a litt refolution will foon recover.

I have as little superstition in mas any man living: but my secretary period opinion has ever been, and still it that God will not give up a peopto military destruction, or leave the unsupportedly to perish, who has so earnessly and so repeatedly sought to avoid the calamities of war, be every decent method which wisdor could invent. Neither have I so much of the insidel in me, as to suppose that he has relinquished the government of the world, and given us up to the care of devils: and as I do not, I cannot see on what ground

NOTE.

* The prefent winter is worth as age, if rightly employed: but i loit, or neglected, the whole continent will partake of the evil: and there is no punishment that mar does not deferve, be he who, or what or where he will, that may be the means of facrificing a feafon so precious and useful.

the king can look up to heaven for help against us. A common murderer, a highwayman, or a housebreaker, has as good a pretence as he.

'Tis furprifing to fee how rapidly a panic will fometimes run through a country. All nations and ages have been subject to them. Britain has trembled like an ague, at the report of a French fleet of flat-bottomed boats: and in the fourteenth century, the whole English army, after ravaging the kingdom of France, was driven back, like men petrified with fear: and this brave exploit was performed by a few broken forces. collected and headed by a woman, Joan of Arc. Would that heaven might inspire some Jersey maid to fpirit up her countrymen, and fave her fair fellow fufferers from ravage and ravishment! Yet panics, in some cases, have their uses: they produce as much good as hurt. Their duration is always short: the mind foon grows through them, and acquires a firmer habit than before. But their peculiar advantage is, that they are the touchstones of fincerity and hypocrify, and bring things and men to light, which might otherwise have lain for ever undiscovered. In fact, they have the same effect upon secret traitors, which an imaginary apparition would upon a private murderer. They fift out the private thoughts of man, and hold them up in public to the world. Many a difguised tory has lately shewn his head, that shall penitentially folemnize with curses the day on which Howe arrived upon the Delaware.

As I was with the troops at Fort Lee, and marched with them to the edge of Pennfylvania, I am well acquainted with many circumstances, which those, who lived at a distance, know little or nothing of. Our fituation there was exceedingly cramped, the place being on a narrow neck of land, between the North river and

the Hackinfack. Our force was inconfiderable, being not one-fourth great as Howe could bring against us. We had no army at hand, to have relieved the garrifon, had we shut ourselves up, and stood on the defence. Our ammunition, light artillery, and the best part of our flores, had been removed, upon the apprehension that Howe would endeavour to penetrate the Jersies, in which case Fort Lee could have been of no use to us: for it must occur to every thinking man, whether in the army or not, that thefe kind of field-forts are only fit for temporary purposes, and last in use no longer than the enemy directs his force against the particular object which fuch forts were raised to defend. Such was our fituation and condition at Fort Lee, on the morning of the twentieth of November. when an officer arrived with information, that the enemy, with two hundred boats, had landed about feven or eight miles above. Majorgeneral Greene, who commanded the garrison, immediately ordered them under arms, and fent express to his excellency general Washington, at the town of Hackinfack, diftant, by way of the ferry, fix miles. Our first object was to secure the bridge over the Hackinfack, which lay up the river, between the enemy and us, about fix miles from us, and three from them. General Washington arrived in about three quarters of an hour, and marched at the head of the troops to the bridge, which place I expected we should have a brush for: however, they did not choose to dispute it with us : and the greatest part of our troops went over the bridge, the rest over the ferry, except fome which paffed at a mill, on a finall creek, between the bridge and the ferry, and made their way through some marshy grounds, up to the town of Hackinfack, and there passed the river. We brought off as much baggage as the waggons could contain: the rest was lost. The simple object was to bring off the garrifon, and to march them on till they could be strengthened by the Jersey or Pennsylvania militia, so as to be enabled to make a fland. We staid four days at Newark, collected in our out-posts, with some of the Jersey militia, and marched out twice to meet the enemy, on information of their being advancing, though our numbers were greatly inferior to theirs. General Howe, in my opinion, committed a great error in generalship, in not throwing a body of forces off from Staten Island through Amboy, by which means he might have feized all our flores at Brunswick, and intercepted our march into Pennsylvania. But if we believe the power of bell to be limited, we must likewise believe that their agents are under fome providential controul.

I shall not now attempt to give the particulars of our retreat to the Delaware. Suffice it for the present to say, that both officers and men, though greatly harraffed and fatigued, frequently without rest, covering, or provision, the inevitable confequences of a long retreat, bore , it with a manly and a martial spirit. All their wishes were one; which was, that the country would turn out, and help them to drive the enemy back. Voltaire has remarked, that king William never appeared to full advantage, but in difficulties and in action. The same remark may be made on general Washington, for the character fits him. There is a natural firmness in some minds, which cannot be unlocked by trifles; but which, when unlocked, discovers a eabinet of fortitude: and I reckon it among those kind of public bleffings which we do not immediately fee, that God hath bleffed him with uninterrupted health, and given him a mind that can even flourish upon care.

I shall conclude this paper with fome miscellaneous remarks on the state of our affairs; and shall begin with asking the following question: why is it that the enemy hath left the New England provinces, and made these middle ones the feat of war? The answer is easy: New-England is not infested with tories, and we are. I have been tender in raising the cry against these men, and used numberless arguments to shew them their danger: but it will not do to facrifice a world to either their folly or their baseness. The period is now arrived, in which either they or we must change our fentiments, or one or both must fall. And what is a tory? good God! what is he? I should not be afraid to go with an hundred whigs against a thousand tories, were they to attempt to get into arms. Every tory is a coward; for a fervile, flavish, self-interested fear is the foundation of toryism; and a man under fuch influence, though he may be cruel, never can be brave.

But before the line of irrecoverable separation may be drawn between us, let us reason the matter together; your conduct is an invitation to the enemy; yet not one in a thousand of you has heart enough to join him. Howe is as much deceived by you, as the American cause is injured by you. He expects you will all take up arms, and flock to his standard with must kets on your shoulders. Your opinions are of no use to him, unless you support him personally; for it is foldiers, and not tories, that he wants

I once felt all that kind of anger, which a man ought to feel, against the mean principles that are held by the tories. A noted one, who kept a tavern at Amboy, was standing at his door, with as pretty a child in his hand, about eight or nine years old,

as most I ever faw: and after speaking his mind as freely as he thought was prudent, finished with this unfatherly expression, "well, give me peace in my day." Not a man lives on the continent, but fully believes that feparation must some time or other finally take place, and a generous parent would have faid, " if there must be trouble, let it be in my day, that my child may have peace; and this fingle reflection, well applied, is fufficient to awaken every man to duty. Not a place upon earth might be fo happy as America. Her fituation is remote from all the wrangling world, and she has nothing to do but to trade with them. A man may eafily diftinguish in himself between temper and principle, and I am as confident as I am that God governs the world, that America will never be happy till she gets clear of foreign dominion. Wars, without ceafing, will break out till that period arrives. and the continent must, in the end, be conqueror; for, though the flame of liberty may fometimes ceafe to thine, the coal never can expire.

America did not, nor does not want force; but she wanted a proper application of that force. Wisdom is not the purchase of a day, and it is no wonder we should err at first setting off. From an excess of tenderness, we were unwilling to raise an army, and trusted our cause to the temporary defence of a well meaning militia. A fummer's experience has now taught us better; yet with those troops, while they were collected, we were able to fet bounds to the progress of the enemy; and, thank God! they are again affembling. I always considered a militia as the best troops in the world for a fudden exertion, but they will not do for a long campaign. Howe, it is probable, will make an attempt on this city; should he fail on this fide the Delaware, he is ruined; if he fucceeds, our cause is not ruined. He stakes all on his fide against a part on ours; admitting he fucceeds, the confequence will be, that armies from both ends of the continent will march to affift their fuffering friends in the middle states: for he cannot go every where; it is impossible. I consider Howe as the greatest enemy the tories have; he is bringing a war into their own country, which, had it not been for him and partly for themselves, they had been clear of. Should he now be expelled, I wish, with all the devotion of a christian, that the names of whig and tory may never more be mentioned; but should the tories give him encouragement to come, or affistance if he come, I as fincerely wish that our next year's arms may expel them from the continent, and the congress appropriate their possessions to the relief of those who have suffered in well-doing. A fingle fuccefsful battle next year will fettle the whole. America will carry on a twoyears war by the confifcation of the property of disaffected persons, and be made happy by their expulsion. Say not that this is revenge: call it rather the foft refentment of a fuffering people, who, having no object in view but the good of all, have staked their own all upon a feemingly doubtful event. Yet it is folly to argue against determined hardness: eloquence may strike the ear, and the language of forrow draw forth the tear of compassion, but nothing can reach the heart that is steeled with prejudice.

Quitting this class of men, I turn, with the warm ardour of a friend, to those who have nobly stood, and are yet determined to stand the matter out. I call not upon a few, but upon all; net on this state, or that state, but on every state. Up and help us. Lay your shoulders to the wheel. Better have too much force than too little, when so great an object is at stake. Let it be told to the future

world, that in the depth of winter, when nothing but hope and virtue could furvive, that the city and the country, alarmed at one common danger, came forth to meet and to repulse it. Say not that thousands are gone: turn out your tens of thoufands: throw not the burden of the day upon providence, but fhew your faith by your good works, that God may bless you. It matters not where you live, or what rank of life you hold; the evil or the bleffing will reach you all. The far and the near, the home counties and the back, the rich and the poor, shall suffer or rejoice alike. The heart that feels not now, is dead. The blood of his children shall curse his cowardice, who shrinks back at a time when a little might have faved the whole and made them happy. I love the man that can fmile in trouble-that can gather strength from distress, and grow brave by reflection. It is the business of little minds to shrink; but he, whose heart is firm, and whose conscience approves his conduct, will purfue his principles unto death. My own line of reasoning is to myself, as strait and clear as a ray of light. Not all the treafures of the world, fo far as I believe, could have induced me to fupport an offensive war; for I think it murder: but if a thief break into my house-burn and destroy my property, and kill, or threaten to kill me and those that are in it, and to "bind me in all cases whatsoever," to his absolute will, am I to suffer it? What fignifies it to me, whether he who does it, is a king or a common man; my countryman, or not my countryman; whether it is done by an individual villain, or an army of them? If we reason to the root of things, we shall find no difference; neither can any just cause be assigned, why we should punish in the one case and pardon in the other. Let them call me rebel, and welcome; I feel

no concern from it; but I should suffer the misery of devils, were I to make a whore of my foul, by swearing allegiance to one whose character is that of a fottish, stupid, stubborn, worthless, brutish man. I conceive likewise, a horrid idea in receiving mercy from a being, who at the last day, shall be shrieking to the rocks and mountains to cover him, and sleeing with terror from the orphan, the widow, and the slain of America.

There are cases which cannot be overdone by language; and this is one. There are persons, too, who fee not the full extent of the evil that threatens them. They folace themselves with hopes, that the enemy, if they fucceed, will be merciful. It is the madness of folly, to expect mercy from those who have refused to do justice: and even mercy, where conquest is the object, is only a trick of war. The cunning of the fox is as murderous as the violence of the wolf, and we ought to be equally on our guard against both. Howe's first object is partly by threats, and partly by promifes, to terrify or feduce the people to give up their arms, and receive mercy. The ministry recommended the same plan to Gage; and this is what the tories call making their peace-" a " peace which paffeth all understanding," indeed. A peace which would be the immediate forerunner of a worfe ruin than any we have yet thought of. Ye men of Pennfylvania, do reason upon those things! Were the back counties to give up their arms, they would fall an easy prey to the Indians, who are all armed. This, perhaps, is what fome tories would not be forry for. Were the home counties to deliver up their arms, they would be exposed to the resentment of the back counties, who would then have it in their power to chastise their defection at pleasure. And were any one state to give up ts arms, that state must be garrisond by all Howe's army of Britons and Hessians, to preserve it from he anger of the rest. Mutual sears a principal link in the chain of nutual love, and woe be to that tate that breaks the compact. Howe s mercifully inviting you to barbaous destruction, and men must be ither rogues or fools that will not ee it. I dwell not upon the vapours of imagination. I bring reason to our ears; and in language as plain is A, B, C, hold up truth to your

:yes. I thank God, that I fear not. I ee no real cause for fear. I know our fituation well, and can fee the way out of it. While our army was collected, Howe dared not risk a pattle: and it is no credit to him, that he decamped from the White Plains, and waited a mean opportunity to ravage the defenceless Jersies: out it is great credit to us, that, with an handful of men, we fustained an orderly retreat for near an hundred miles, brought off our ammunition, all our field pieces, the greatest part of our stores, and had four rivers to pass. None can say, that our retreat was precipitate: for we were near three weeks in performing it, that the country might have time to come in. Twice we marched back to meet the enemy, and remained out till dark. The fign of fear was not feen in our camp: and had not fome of the cowardly and disaffected inhabitants fpread false alarms through the country, the Jersies had never been ravaged. Once more, we are again collected and collecting. Our new army, at both ends of the continent, is recruiting fast: and we shall be able to open the next campaign with fixty thousand men, well armed and clothed. This is our fituation-and who will, may know it. By perfeverance and fortitude, we have the prospect of a glorious issue; by cow-Vol. III. No. V.

ardice and submission, the sad choice of a variety of evils—a ravaged country—a depopulated city—habitations without safety—and slavery without hope—our homes turned into barracks and bawdy-houses for Hessians—and a future race to provide for, whose fathers we shall doubt of! Look on this picture, and weep over it! and if there yet remains one thoughtless wretch, who believes it not, let him suffer it unlamented.

(To be continued).

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Memoranda.

WHEN the first American fleet was fitted ont, under the command of commodore Hopkins, it was expected it would not have been able to fail for want of sealanterns of a particular construction. The next post, after a discovery of this want, brought news that captain Manly had sent into one of the New England ports, a prize, with exactly the number and kind of lanterns which were wanted.

TN the fecond or third year of the war, two thousand muskets were wanted for a particular service. The congress spent several hours in devising ways and means to procure them. While mr. Wilson, of Pennsylvania, was fpeaking upon the fubject, and proposing a method of obtaining them, which was both uncertain and diffreffing, the door-keeper to congress called him out, and introduced him to a captain of a vessel, who had just arrived. After a few minutes conversation with him, mr. Wilson returned, and terminated the business before congress, by informing them, that a vessel had just arrived, with two thousand muskets on board, on account of the united states.

M

An Ode-Written by Col. Humphreys.

Inscribed to General Washington.

BY broad Potowmack's azure tide,
Where Vernon's mount, in fylvan pride,
Difplays its beauties far,
Great Washington to peaceful shades,
Where no unhallow'd wish invades,
Retir'd from fields of war.

Angels might fee, with joy, the fage,
Who taught the battle where to rage,
Or quench'd its spreading flame,
On works of peace employ that hand,
Which wav'd the blade of high command,
And hew'd the path to same.

Let others fing his deeds in arms,
A nation fav'd, and conqueft's charms;
Posterity shall hear,
'Twas mine, return'd from Europe's courts,
To share his thoughts, partake his sports,
And soothe his partial ear.

To thee, my friend, these lays belong:
Thy happy seat inspires my song,
With gay, perennial blooms,
With fruitage fair, and cool retreats,
Whose bow'ry wilderness of sweets
The ambient air persumes.

Here spring its earliest buds displays,
Here latest on the leasless sprays,
The plumy people sing;
The vernal show'r, the rip'ning year,
Th' autumnal store, the winter drear,
For thee new pleasures bring.

Here lapp'd in philosophic ease,
Within thy walks, beneath thy trees,
Amidst thine ample farms,
No vulgar converse heroes hold,
But past or future scenes unfold,
Or dwell on nature's charms.

What wondrous era have we feen, Plac'd on this ishmus, half between A rude and polish'd state! We faw the war tempestuous rise, In arms a world, in blood the skies, In doubt an empire's fate.

The ftorm is calm'd, feren'd the heav'n,
And mildly o'er the climes of ev'n,
Expands th' imperial day;
"O God, the fource of light fupreme,
"Shed on our dusky morn a gleam,
"To guide our doubtful way!

"Restrain, dread pow'r, our land from crimes!
"What seeks, tho' blest beyond all times,
"So querulous an age?

"What means to freedom fuch difgust,
"Of change, of anarchy the lust,
"The fickleness and rage!"

So spake his country's friend, with sighs, To find that country still despise

The legacy he gave—

And half he fear'd his toils were vain,
And much that man would court a chain,
And live through vice a slave.

A transient gloom o'ercast his mind:
Yet, still on providence reclin'd,
The patriot fond believ'd,
That pow'r benigu too much had done,
To leave an empire's task begun,
Imperfectly achiev'd.

Thus buoy'd with hope, with virtue bleft,
Of ev'ry human bliss possest,
He meets the happier hours;
His skies assume a lovelier blue,
His prospects brighter rise to view,
And sairer bloom his flow'rs,

The shield of Achilles, translated from the Greek of Homer.
Iliad XVIII. By the late dr. Ladd.

THEN form'd the artist-god, by skill divine,
Th' enormous work, and bade the surface shine;
A silver chain suspends the glowing shield,
And three rich circles glitter round the field.
Broad and five-fold of spacious plates 'twas made,
Where the great master all his art display'd:
Heav'n, earth, and sea in wond'rous order shone.

The full round moon, and the unwearied fun; The burning stars that o'er Olympus rife, Crown the high heavins, and glitter in the skies. Pleiads and Hyads, and refulgent there Shone great Orion, with the constant bear, (Oft call'd the Wain) the star that never laves Her glowing axle in old ocean's waves, But wheeling round the pole with constant light, Keeps the red dog-star ever in her sight.

Two cities next the artist's hand display'd, Where nuptial feasts and festivals were made; The spouses from the bridal chambers came, Led thro' their city by the torch's slame; From ev'ry mouth fost hymeneals sound, The rapid youths in circling dances bound, Breathe the sweet slute, and tune the silver lyre, From every porch the semale crouds admire.

The market next contain'd a gather'd croud Where two dispute, contentious and aloud: A murd'rer he, from whose polluted hands, To urge the fire, his stern accuser stands: He pleads the payment made, and both demand Impartial justice from some judge's hand; 'Th' applauding croud their acclamations rais'd, And now the one, and now the other prais'd, While facred heralds, thoughtful and profound, Still'd the loud shouts, and rang'd the people round : On feats of polish'd stone, to hear the case. The rev'rend elders fill'd the middle place; Each in his turn, flow rifing from his feat, The sceptre wav'd, and govern'd the debate; Two golden talents in the midst were laid, And his the prize who better judgment made.

The other town two glitt'ring hosts besieg'd; There flash'd their armour, there the battle rag'd; Both disagreed, if better to decide ' The city's ruin, or the spoil divide. Mean time the pris'ners fecretly prepare For fudden ambush, and impetuous war-While, left behind the walls, their city's aid, The fires, the matrons, and the children staid: Fierce at their head, Mars and Minerva came, The gods of gold in golden armour flame: They move diftinguish'd by fuperior height, More sweet proportions, and a blaze of light. Now at their stand they come, a river's brink, Where lowing herds and thirfly cattle drink; Hid by their shields, the margin'd stream they line, Two spies, at distance, watch the lowing kine; The num'rous cattle, and white flocks appear, Slowly they move, two shepherds in the rear;

They tune their dulcet reeds, and all the way Suspect no danger, thoughtless as they play. Now fwift in view the rushing foe appear'd, They kill the fwains, and captivate the herd; The distant bands, rous'd at the shrill outcry, On thund'ring coursers to the battle fly. Then spears to spears, the diff'ring hosts engag'd, Loud roar'd the war, and fierce the battle rag'd; Fate and loud tumult shake the echoing heath, And discord busy in the work of death. There might you fee the cruel Parca's hand Drag the dead foldier thro' the bloody band; One pierc'd with deadly wounds beside her bled, Her steel flash'd lightning o'er another's head. All grim with blood she thro' the battle tore, And her stain'd garments drop'd with human gore. Each form appear'd upon the wond'rous shield, To live, to move, to battle o'er the field: You'd think the figures really drew their dead; That the gold liv'd, and that the filver bled.

A large deep furrow'd field was next display'd, Where thrice the plough share had unbound the glade; Their useful team the sweating lab'rers steer, And move on ev'ry side the stubbern share; Till, as they turn to end each furrow'd line, They meet the goblet foaming o'er with wine. Chear'd with the draught, a backward course they bend, And eager hasten to the next land's end; The field (Vulcanian art) was form'd of gold, But black behind the turn'd-up furrows roll'd.

Another field the god-like hand engrav'd,
Where yellow corn high o'er the furface wav'd;
Each reaper hending, handled the fharp fteel,
The fwarths in thick and equal furrows fell;
Three fteady lab'rers ftand in act to bind
The thick-ftrewn corn, and follow clofe behind;
While panting children carry to be bound
The thin loofe fwarths that fcatter on the ground.
Amidft the heaps the mafter takes his ftand
With filent joy, a fceptre in his hand:
Diftant from these his houshold ftand, and there
The feast beneath a shadowy oak prepare:
The victim ox they hold—and women knead
Their cates of wheaten flour—the reapers' meed.

A vineyard next beneath his hand arofe, In rip'ning gold the yellow vintage glows; The dark plump grapes in heavy clusters rest On props of silver, "fuing to the prest." A diff'rent metal closes all within, A darken'd trench, and pallisades of tin; One narrow path leads winding to the place,

'Thro, which the lab'rers to the vineyard pass; With woven baskets, forming in a line, 'The youths and maidens bear the latent wine.' Midst these a youth attunes the trembling strings, Old Linus' song the charming lyrist sings: They dance responsive to the tuneful sound, All join in chorus, and the song goes round.

Now herds of gold appear; the oxen tall Erect their heads, and bellow from the stall, Haste to the meadows, where with stunning sound, The rapid torrent thunders thro' the ground. Four herdsmen follow, glitt'ring in the gold, And nine large mastiffs, terrible and bold. Two shaggy lions seize a bull—in vain He roars, he struggles, dragg'd across the plain; They tear his entrails, and they quast the gore, While swift to rescue, dogs and herdsmen pour; In vain the herdsmen hearten them to rage, The dogs bark distant, fearful to engage.

Next a fair scene the ravish'd eye beholds; A beauteous valley to the fight unfolds; White, snowy slocks of sleecy sheep are here, And folds, and sheds, and cottages appear.

Then form'd the master hand the smooth advance, And various figure of the waving dance: Such Ariadne, beauteous queen, beheld In Gnossus court, by Dædalus reveal'd: There hand in hand the youths and maidens join, Form the fweet wave, and undulate the line; The youths in gloffy thining filks appear, The beauteous maidens in the white cymar; Fair wreaths of flow'rs their lovely locks embrace, The youthful band the golden falchions grace; All gaily at their fides, with graceful fwing They hang suspended by a filver string. Here fwift they move, and rapid as they fly, The varying forms feem blended in the eye, Whirl'd in a circle flies the giddy reel, As on its centre turns the rapid wheel, (His finish'd labour when the potter tries,) And all too rapid for the fight it flies: At once they move, thro' devious mazes meet, And wind away the dance with measur'd feet: Unnumber'd crouds enjoy the pleasing fight, And gaze the revels eager with delight. In active feats two nimble tumblers bound. While the whole circle bears the fong around.

Thus grew the mighty shield: around the verge. Pour'd the great ocean with its rapid surge; He made the deep its whole circums rence lave, And smooth against it beat the silver wave.

Foreign Intelligence.

Temeswar, Feb. 11.

THE siege of Belgrade will not commence until March; it is furnished with 600 cannon; the garrison consists of more than 15,000 lanislaties.

Warfaw, February 23.

We learn from Kaminieck, that the Austrian general offered the pacha of Choczim, the most honourable terms of capitulation for himself and people ander him, if he would furrender the place before the arrival of the Ruffians; who, he faid, would carry fire and fword wherever they found any esistance. The pacha required twelve lays to give a final answer, but at he same time said, that he and the cople were faithful fervants of the ultan, and if they were attacked, vould defend themselves. The same propofals have been made by the Autrians on the frontiers of Maldavia to he Ottoman commanders of strong places in that principality.

March 1. When the imperial dedeflaration of war was published in the Ottoman army, many of the roops are faid to have marched

iome.

Hamburgh, March 4.

The court of Vienna has not yet sublished the dispatches received from he prince of Saxe Cobourg, commanler in chief in the Buckowine; a part of the army under him, in Mollavia, passed the river Pruth, in orler to take advantage of the fortress of Choczim. On this occasion, a vey lively skirmish took place between he advanced guard of that corps, and large body of Tartars, who, after an bstinate resistance, and the loss of ome thousand men, were obliged to nake a hasty retreat to Choczim. The loss on the fide of the Austrians /as not less considerable; particular-

ly in the three battalions of Palegrini, Charles of Tuscany, and of Samuel Giulay, which suffered greatly. This news not having been confirmed at Vienna, was considered as rather doubtful.

London, February 21.

We learn that the treaty between Britain, Berlin, and the united states, is put into such a train of settlement, that there are hopes of its being finally concluded before the meeting of pariiament. With this union, there is no doubt but we may speak with so decisive a tone to every kingdom of Europe, that we may hold at nought their combinations, however threatening.

March 1. Died, on the 31st of January last, aged 67 years and two months, Charles Edward Lewis Casimer Stewart, who, since the death of his father in 1765, assumed the title of king of England, but commonly known on the continent by the name of the chevalier de St. George, and in England by that of the young

Pretender.

March 20. That the views of the French nation are placed upon some great future acquisition in India, cannot be doubted, from its present establishment, so superior to the protection of its possessions, as to incur a constant expence to their government to support them. Not less than a million of dollars, (224,000l.) was fent out to Pondicherry, in 1785, for the purpose of fortifying that city, and paying the troops stationed there, although its districts, with those appendant to Karicat, do not annually produce more than three lacks of rupees. In August, 1785, it was ascertained, that there were at Pondicherry and the isles, upwards of five thousand regular troops; to which, in case of war, Bourbon could add a corps of one thousand men, it being the only place east of the Cape, with a respectable yeomanry. The body of Europeans, with what reinforcements it might receive from home, would be united before even notice of such an intention could be had at Madras: the situation of the French African islands, out of the line of our ships, favouring expeditions against India, and their fertility supplying all the vegetables and fresh provisions required for voyages in tropical climates.

The present standing army of

France is 364,556 troops.

The Spanish army is estimated at 200,000, but the majority of the corps perhaps not distinguished by

either discipline or loyalty.

March 21. Our letters from Holland, by yesterday's mail advise, that the partial amnesty which had been published by their high mightinesses, the states-general, on the recommendation of the hereditary prince stadtholder, had caused great murmurs and riots in the province of Holland, particularly at Amsterdam—in so much, that their high mightinesses judged it advisable forthwith to issue one of a more extensive and liberal nature.

By the last mail from France, intelligence was received (the authenticity as well as the probability of which, however, is doubted) that the French court had just received an overland express from India, with the important advice, that in the beginning of December last, on the arrival of the accounts fent from England of the likelihood of a rupture with France, the governor of Madras took sudden possessions.

Although no American agent is stationed at the court of Lisbon, we understand that a treaty of commerce has been agitated through the means of mr. Adams, between the Portuguese and the united states. The only obstacle to its accomplishment respects the introduction of American wheat

into Portugal, and the establishmen of a free port in one of the western islands.

These are points anxiously stipulated on the part of congress, but declared by the Portuguese governmen to be incompatible with the treatie: in existence with other powers, who are unquestionably to enjoy whate ver may be conceded by any fuble-The pride o quent arrangements. that court feems a little hurt by the difrespect which has been shewn to it by the Americans, and the queer jocularly observes, that as she was al ways a whig in her heart, the united states, in their rage for appointing envoys and ambassadors, might have favoured her with a vifit.

The Spaniards have at length a greed to fuffer the Russian fleet to enter the Mediterranean; this was brought about by the interference of

French court.

March 22. The presbytery of Edin burgh, thro' sir Adam Ferguson, hav petitioned parliament against th African slave trade.

It is reported that a very unexpected change has taken place in the politics of this country, as far as the relate to our northern connections.

The countefs of Albany, widow of the late Pretender, enjoys a pen fion of fixty thousand livres from

the French treasury.

The Spaniards are making the most active preparations in equipping a fleet. The Castile man of war, and the Le Saint Florentine transport are ordered immediately from Cadito the Havannah, with provisions troops, and some officers.

The remonstrances from the different parliaments, in favour of the duke of Orleans, M. Sabatier and d Froteau, are urging with more im

portunity.

A letter from Bruffels, date March 1, fays, "The Brabantine have at length submitted. The chan cellor has been among the forsmost to agree to the commands of his fovereign. The conditions are, however, neither difgraceful nor unfavourable to the people. All the recruits, as they are raised in the Low Provinces, are brought here, and trained and disciplined; so that the city begins to look very warlike. All the levies will not, however, be sent to Germany. Some of them will be incorporated among the corps now stationed in Flanders."

The Russians have begun the siege of Oczakow. It is from the army under the command of Prince Repnin, which is so advantageously potted as to have had the first intelligence of this event, that the news

comes.

The Venetians are refolved to obferve a strict neutrality in the present contest between Rusha and the porte.

March 25. Letters have been received in town, stating, that on the 20th instant, the dauphin of France, who had been for some time in a very ill state of health, expired at noon, at the Chateau de St. Lewis. Nothing more than this has been related, and not having received a confirmed account of the event, we do not youch for its authenticity.

The states general have ordered a medal, of 1300 florins value, to be presented to his excellency John Adams, the American ambassador, as a testimony of their approbation of

his conduct.

Sir F. Haldimand is talked of to fucceed to the governor-generalship of Canada, if lord Dorchester should give up, as expected; his health, as it is said, being too much impaired to bear the vicissitudes of another winter in Canada.

March 30. A scheme is in agitation to encourage the general culture of hemp in Great Britain and Ireland, in order to prevent the sums of money sent out of the kingdom every

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year for those articles, to Russia and other places. The encouragement is intended to be extended to the British colonies; but nothing will be at-

tempted till the next year.

Although the various accounts from Spain differ, as to the number of ships preparing for sea, at Cadiz, and all of them seem ignorant of the cause of this armament, yet it is agreed that a considerable number of ships of the line are preparing there, and, according to orders, should be ready by the beginning of April. This seems to accord with what lord Stormont mentioned last week in the house of peers.

France has only to keep out of the prefent continental dispute, and she has nothing to apprehend: for let who will gain the day, each way will be her gain; if the Turks conquer, the remains in perfect security of the Levant trade; while on the other hand, should the imperialists be crowned with the palm of victory, the Russians will be enabled to supply her with hemp, cordage, and many other articles with more ease, and consequently at a much cheaper rate.

The prohibition published in the gazette of Tuefday, that no English feamen should leave the kingdom to ferve on board foreign ships of war, without the permission of government, has given rife to much speculation. A message was fent a few days fince by the marquis of Carmar-then to mr. Thornton, that government would not allow any English feamen to navigate the transports that had been contracted for by the Ruffian minister, to transport their troops, which has produced a representation and a vifit from comte Woronzow both to mr. Pitt and the marquis of Carmarthen. He stated, that government had been very active in watching the prefent occasion, at the same that they had allowed English sailors to navigate the frigates that had lately failed for the fervice of the Turks. The answer to this was, that miniftry knew nothing of the circumstance, and could therefore take no cognizance of it. And thus the matter at present stands.

American Intelligence.

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Salem, April 29.

We are informed, that mr. Jonathan Gavett, an ingenious mechanic of this town, has contrived a very ufeful machine for the fowing of feeds. It performs, with one effort, all the operations of making the furrows, fowing the feed, and covering it—and may be ufed by a child capable of performing any kind of manual labour. It is fimple in its confiruction, and may be made for a trifling expence.

Boston, May 1.

At Beverly lately, an experiment was made with a complete fet of machines for carding and fpinning cotton; which answered the warmest wishes of the proprietors. The spinning jenny spins 60 threads at a time—and with the carding machine, 40lb. of cotton can be well carded per day. The warping machine, and the other tools and machinery, part of which go by water, are complete—perform their various operations to great advantage, and promise much benefit to the public, and emolument to the patriotic adventurers.

We are affured, that a French squadron may be expected to arrive in this port, about the 1st of July—to continue here two or three months. It will be nearly of the same force as that under Le Viscount Beaumont—and will be commanded by Mons.

de Senneville.

May 12. A glass manufactory, we are told, is established at Hartford, which promises much advantage to the proprietors—14,000l. is the sum subscribed.

We hear that on Saturday last, awo piers of the bridge erecting between Salem and Beverly were fixed; and that the perfevering spirit which attends that business promises its speedy completion.

A woollen manufactory is established at Hartford, in Connecticut, and five gentlemen appointed to su-

perintend and conduct it.

Newport, (R. I.) May 15.

The revolving year hath produced no important change in our administration nor in our police. The crufading errants still display the destroying standard, "a depreciated paper money," as the ark of our falvation. No experience of the mischiefs resulting from it, nor any conviction of its injustice, tends to check a "perseverance;" for credulity and implicit support of this system, are marked out as the high road to preferment, while honour, virtue and abilities, form no criterion of merit.

Loud advocates for the extremes of liberty, they can bear no discussion of their measures without irritation; that freedom of speech which elevated America to the station of independence, is viewed as treason and rebellion, and the blood of the freemen seems alone sufficient to statiate revenge.

Apprehensive of the ratification of the new constitution, men of tried, antifederalism are advanced to the command of forts and of the militia; whether that they may be prepared to oppose the union, or to keep 2live popular clamour, we presume not to determine.

New-London, May 9.
About fifteen minutes past feven o'clock, on Tuesday morning last, a

light shock of an earthquake was felt in this town, and in Groton, preceded by a rumbling noise. fame shock was felt at Newport.

New-York, May 8.

A letter from Cherburgh, to a gentleman in London, dated Feb. 24, lays, "funds are established for carrying on our works here, notwithfanding the reforms which it is found necessary to make. By the month of June we shall have four new cones; and those which have been damaged, will be repaired by that time. English have been deceived in imagining that we should abandon these works, and give up the idea of havng a port in the Channel. This must lave originated from the exaggerated eports of the damage done to the ones. No part of them has fuffered, out what was above the water. The oundation and the dyke, which ulites the cones, remain firm and imnovcable. In about four years, we xpect that they will be completed. ieveral vessels have already been shelered by these works. Among ohers, there is a ship of sixty-four juns at present in the port."

Lexington, March 27.

On Saturday evening, the 21st intant, some time after night, a party of about seven Indians knocked at he door of the widow Shanks, (livng on Townsend, a branch of Lickng) and demanded entrance, which vas denied them: they then fet fire o the house, and by that means, forcd the family out; four of which ell a facrifice to their favage fury, nd one was taken alive; the rest esaped. The fnow falling that night, nabled the inhabitants to follow hem: they came up with them the ext day; killed one and wounded nother: the rest escaped, leaving all teir baggage. The prisoners taken, ey had tomahawked, just before the hite people came up with them.

One other Indian was found dead near where they committed the murder; supposed to have been killed by a young man whom they murdered the evening before.

Philadelphia, May 22.

May 3. We learn that mr. Bordley, of the eathern shore of Maryland, has presented the agricultural society of this city, with a model of a threshing machine, which is fomewhat on the construction of a coffee mill, and will thresh above a hundred bushels of wheat in a day, with one man's labour. Machines appear to be objects of immense consequence to this country. Every month furnishes us with fomething new and important of that nature. It is the duty of every friend to America, at home and abroad, to keep a vigilant efe upon every thing of that kind which comes in his way. We may invent, and we may borrow of Europe her inventions. Possessed of soil without end, every thing that faves the labour of hands, is a gain of peculiar value to

The following appears in the proceedings of the British house of commons, of Feb. 8, "The right honourable F. Montague presented a petition from lady Penn, and the junior part of her family, stating, that by the late act of affembly in Pennsylvania, all compensation was refused for their possessions which had been wrested from them in the late disturbances, and paying for parliamentary relief."

May 16. A letter from a gentleman in Paris, to his friend in Baltimore, dated Feb. 3, fays, "I have much fatisfaction in informing you, that the laws constituted by the federal convention, [i. e. the new constitution] have made great noise in Europe. In England they are fo much admired, that they have been printed, and are profitable to the printer. Every body praifes them; but more than they otherwise would, did they not flatter their laws, which they efteem the most perfect. In France, they are highly efteemed also, and the fentiments upon them more liberal. The parliaments of France, but particularly that of Paris, for some time past have endeavoured to clip the wings of their monarch, to prevent his high flights; and in fact, have lately succeeded in their attempts, by establishing laws upon more liberal principles than heretofore. Since the American revolution, they have been feeking after something-and at last, like a divine charm, have met with that which opens their eyes, and reflores them to light: the late laws, of which we are speaking, have produced those effects: they have been before the parliament of Paris as a model of wisdom to be copied afterthey were there amply discussed, and most ably defended by a majority of the house; kowever, there was one member violent in his opposition; but from one of his speeches, you will find that prejudice influenced him.-" Do you think," fays he, " gentlemen, that an old nation like this, will take for its model the laws of an infant country, which does not yet know how to carry the bread to its mouth? no!" This you fee is ridiculous, and not only repugnant to the opinious of some of the greatest politicians, but even to nature and common fense; and contradicted by innumerable facts, many of which were pointed out to him the next day by the count de Mirabeau, who took an opportunity of exposing him in the public papers, and therefore of extolling America to the stars, by faying that in less than thirty years, it would become the most renowned empire of the four parts of the world; and this I can tell you is a very general opinion. The objections here to the constitution, are, that the presidents ought not to be chosen durin their good behaviour, but for a cer tain time only, that the honour ma not be a matter of too much conter tion, which would generally be th cause of bloodshed, slaughter, anai chy, and confusion; that the legisla tive and executive powers ought t be separated, and that there should be a bill of rights. The states of Ho land, fenfiole of the rifing progreof America, from confidering its re fources, its commerce, and the diffe fition of its inhabitants, have offere congress, through the hands of me Jefferson, the American ambassado at Paris, a loan of 80,000l. sterling to be delivered as foon as there is permanent government establishedcertain that their money will I more fecure in the American func than any other whatever. Their re: foning is fensible and founded upo just principles: they say that Ame rica is large and extensive, ar must soon become opulent from i commerce: that fince the peace the have funk eight millions of the debt, and have still a principal i fink the capital entirely; that which no other country whatever thinks o and that after this is once acconplished, America will be one of the most free and unembarrassed nation in the universe. To give you an ide more particularly of the opinions the Hollanders, an American gentle man had purchased a number of cor tinental certificates at twelve per cen with which he went to Holland, no expecting to make any thing of then but when he arrived there, he four the inhabitants fo well disposed to wards the Americans, and having: good an opinion of their probit that he fold his certificates at fixt per cent. to the amount of 150,000 sterling. This you may depend upo as a matter of fact, for I have it from the best authority."

On Thursday the 8th inst. the at

niverfary election of supreme magiftrates, and other officers, for the government of the flate of Connecticut, was held at the city of Hartford; when his excellency Samuel Huntington, efq. was elected governor, and the hon. Oliver Wolcott, efg.

lieutenant-governor. A letter from a gentleman in New Orleans, to his friend in this city, dated March 25, fays, " the mifery of this place I shall not undertake to describe; suffice it to tell you, that New Orleans, which confifted of 1100 houses, was, on Friday last, in the space of five hours, reduced by conflagration to 200. The rapid progress of the fire was such, that but little merchandize, houshold furniture or clothing has been faved."

Saturday night, the 3d inft. two fine bullocks were killed on State-Ifland by a flash of lightning. Two other cattle were also struck dead at Point-no-Point, during the storm of rain, thunder and lightning, which prevailed for feveral hours that night.

May 27. By an act of the British parliament lately passed, entitled, an act for regulating the trade between the subjects of his majesty's colonies and plantations in North America and the countries belonging to the united states of America, &c. it is enacted—

"That no goods or commodities whatever shall be imported or brought from any of the territories belonging to the faid united states of America, into any of his majesty's West India islands (in which defeription the Bahama and the Bermuda islands are included) under penalty of the forfeiture thereof, and also of the ship or vessel in which they shall be so imported or brought, together with all her guns, furniture, ammunition, tackle, and apparel, except tobacco, pitch, tar, turpentine, hemp, flax, masts, yards, bowsprits, slaves, heading, boards, timber, shingles, and lumber of any fort; horses, neat cattle, fneep, hogs, poultry, and live flock of any fort; bread, bifcuit, flour, peas, beans, potatatoes, wheat rice, oats, barley and grain of any fort; commodities respectively, being the growth or production of any of the faid united flates of America."

The above enumerated articles, that are permitted to be imported. must be brought by British subjects. in British ships, on penalty of forfeiture.

May 31. A letter from Charleston, dated May 22, fays, 'The convention of South Carolina, met at Charletton on the 13th. Governor l'inckney, president.

'They proceeded to debate on the constitution by paragraphs; got thro? on the morning of the 21st, when a motion was made for adjournment to October next.

' This was warmly opposed, and the motion was lost by a majority of 46, viz. 135 against 89.

'The reasons given in favour of the adjournment were,

First. That the people in the back counties were not sufficiently informed in regard to the conflitution, and ought to have more time.

· Second. That many delegates from the country had come down, biaffed themselves, and instructed by their constituents, against the constitution -that fince they had heard the debates, their fentiments had greatly changed; in confequence of this they wished to have time to return to their constituents and bring them over also, otherwise they were fearful the people whom they reprefented, would think that their delegates had been forced to an adoption.

' Many persons who voted in favour of the adjournment did formerely through accommodating and mild principles; but fince the motion is lost, will vote in favour of the consti-

tution.

'The question will this day be put on the close of the business, whether this convention will ratify the new constitution. Some debate will enfue, but it is confidently faid, there will be a very large majority in fayour of it.'

A letter from Baltimore, dated May 27, fays, " we have received intelligence, that mr. Samuel Purviance, with fourteen other prisoners, were met within fifty miles of San-

dusky: all well."

A letter from Carlifle, dated May 10, fays, "Our commencement is over. Eleven young gentlemen were admitted to degrees. All their orations were in favour of the new constitution. Dr. Nisbet is a warm federalift."

His Britannic majesty hath given his royal affent to " an act to continue the law in force for regulating the trade between the subjects of his dominions and the inhabitants and territories belonging to the united states of America, so far as the same relates to the trade and commerce carried on between Great Britain and the countries belonging to the faid united states. At the same time also received the royal affent, " an act for regulating the trade between the fubjects of his Britannic majesty's colonies and plantations in North America, and in the West India islands. and the countries belonging to the united states of America, and between his Britannic majesty's subjects and the foreign islands in the West Indies."

Lately died in London, col. Guy Johnson, (son in law to the late fir William Johnson, bart.) his Britannic majesty's superintendant of Indian affairs in North America.

MARRIAGES.

MASCACHUSETTS .- At Salem, Rev. Joshua Spalding, to Miss Susannah Dougfals; Mr. Samuel Pritchard to Mils Alice Foor.

RHODE-ISLAND .- At Newfort, Captain Caleb Gardiner to Miss Sally Fowler; Mr. Ifaac Greenwood to Mifs Deborah Lang-

PENNSYLVANIA .- At Philadelphia, Doctor Casper Wistar to Miss Isabella Marshall; Peter Stephen du Ponceau Efq. to Mis Ann Perry; Dr. John Foulke to Miss Polly Parker; Jacob R. Howell, Eig. to Miss Elizabeth Burge; Mr. Jacob Peter to Mils Sarah Weils.

VIRGINIA .- At Alexandria, Col. John

Allison to Miss Rebeccah M'Rhea.

SOUTH-CAROLINA .- At Charleston, Charles Goodwin, Efq. to Miss Elizabeth Williamfon.

Deaths.

MASSACHUSETTS. -At Boston, Mr. John Williams: Col. Thomas Brackett; Mrs. Ann Swift.—At Brimfield, Deacon Joseph Hitchcock; At East Hampton.—Mr. Summit Clap.—At Branford. Rev. Warham Williams.—At Hollingston, the Rev. Joshua Prentis.—At Cambridge. Mr. John Warland.

RHODE-ISLAND. At Newport, Mrs

Elizabeth Rathburn.

CONNECTICUT. - At Woodbridge; Mr. Jonathan Maxfield Peck .- At Stonington. Captain David Fitch.

New-York-At Long-Island, Basil Jack-

MARYDAND .- At Baltimore, Mrs. Eli-

At Richmond, Mrs Mary Moore. -At Hanover, Mr. William Haywood .- At Pocoson, Mrs. Mary Davenport.

SOUTH-CAROLINA. -At Charleston, Miss Maria Bay, Master William Hynes;

Mr. Erasmus Audley.

BANKRUPTS.

WILLIAM G. SMITH, of the city of Philadelphia, merchant, dealer, and chap-

JOSETH PARKER, of the city of Phila-

delphia, merchant and dealer WILLIAM ROWLEY, of the county of Washington, dealer and chapman.

CROPLEY Rose, of the city of Phila-

delphia, merchant.

THOMAS MAULE, and EBENEZER MAULE, of the county of Lancaster, dealers and chapmen.

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AMERICAN MUSEUM,

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PROSE AND POETICAL

For J U N E, 1788.

V O L. III. N U M B. VI.

PHILADELPHIA:

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M.DCC.LXXXVIII.



AMERICAN MUSEUM,

I U N E. 1788.



Essay upon the unusual production of animals.

THETHER there is fuch a thing as equivocal generation, by which is to be understood the production of any new species of aninals, independent of a parent stock of the same kind, has been a subect of controverfy amongst the learnd. Some affert the reality of this loctrine; others as strenuously reject it: the latter are now generally reouted orthodox, amongst whom the elebrated dr. William Harvey, the first discoverer of the true circulation of the blood, is justly regarded as a principal writer. Both he and his followers affirm that all living creatures are produced from an egg, furnished by the female, and fecundated by the male animal.

From the knowledge acquired on this subject, by the deep researches of Hippocrates, Galen, and Aristotle, imongst the ancients, and of Malsighi, De Graaf, and, above all others, of the renowned Harvey before mentioned, amongst the moderns, this doctrine appears to be established upon an extensive induction of facts, experiments, and observations, carrying with them the force of conviction, so far as that induction reaches.

The only room which fome suppose there may be for doubt of the univerfality of the proposition is, that a variety of animals have been found. at different times, to exist in the bodies of other animals, and in extraordinary places, which neither the difcoverers of those animals, nor others. have been able to trace with clearness and certainty, to what mankind in general can deem a probable or fatis-

factory origin.

Whether it be owing to an impatience to arrive at fome conclusion. which can ill brook the difficulties that stand in the way of such an enquiry-or to the rarity of the cases falling under the notice of persons capable of making a thorough investigation, and the tedious progress of experimental knowledge-or whether it is that we are apt to suppose the subject does not admit of mathe: matical certainty from the light of philosophy, I know not-but some men have had recourse to the doctrine of equivocal generation to account for those productions, as Aristotle and his followers had in other cases to certain occult qualities, a term by which they have endeavoured to conceal their ignorance of what they could not explain, but were unwilling to confess. Nor are there wants

ing, in the present day, many perfons, who will fooner deny the teftimony of their own fenses, than allow the existence of an animal production which furpasses their powers of comprehension. This, I imagine, proceeds from a false pride-a fear of being deemed credulous; because, in times of ignorance, the passions of illiterate men were eafily wrought upon by fictions to believe in prodigies, whereby they were led blindfold into opinions of religion and philosophy, which had no folid foundation. The race of fceptics I refer to, deem it manly, not only to withhold their affent from truths they do not underfland, but to disown and dispute the reality of them. They do not confider that by fuch conduct they endeayour to divest themselves and others of their rational faculties, and of that natural curiofity implanted in man by his Creator, for the wifest purpose, of investigating facts in order to obtain knowledge, which has given birth to discoveries no less beneficial than delightful to mankind.

To fuch men, I would briefly remark, that it is as much an argument of a weak mind to admit too little, as to believe too much:

I have been led into the above train of observation from a singular phenomenon that may be now seen in this city, which is worthy the attentive inspection of the curious ladies, gentlemen, philosophers, and physicians, particularly the latter, since, for aught they know, a proper examination of it may cast some useful light upon the functions and diseases of the animal body.

In the Pennfylvania packet of the 23d instant, an horse is advertised to be seen at the upper end of Arch street having a living snake existing in its eye. Fair, gentle, and learned reader, start not at this information, as if it were sictitious, or the child of sancy; but see and judge for your-

felves. The writer of this piece professes himself to have as little credulity, and to be no more liable to impositions from idle tales, than his neighbours. Indeed he has ever strenuously opposed what he deemed the speculations of visionary enthusials, bred by weak imaginations, and circulated by designing persons with a view to amuse or deceive the yulgar.

On first hearing of this extraordinary case, and till he had an opportunity of inspecting it, he believed the appearance might turn out to be fome unusual disease, perhaps a filiamen-tary production from a stroke on, or inflammation of, the organ of fight; and that a convulsion in the nerves of its coats might produce a tremulous motion in the humours, likely enough to impose on such as have no knowledge of the parts and mechanism of the eye. But, upon the closest examination, he is convinced that there is a real worm or fnake in the eye of the horse, and is induced, with others, to call it by the latter name, not only from its appearance, and the brifkness of its motions, which exceeds that of any worm he ever noticed, but because a snake is a genus of serpents, which is claffed by Linngus amongst amphibious animals, or fuch as are to be found on land and water; a worm is not.

To gratify the public, as well those who have now an opportunity of feeing it, as those who may never fee it, he thinks it will not be amiss to deliver in a few words what he has been yet able to collect of its natural history.

The horse, in whose left eye this extraordinary sport of nature is visible, is a forrel, nine years old, and belonged to a medical gentleman, near the lines at Elizabeth town. It was found in both eyes till within some months past. The first particular worthy of curiosity is, that about three months ago the owner drove it

in a chair, and though it was not known to be vicious before, it could not then be kept under government, but ran away with, and broke it to pieces. The right eye still continues in a found state.

About nine weeks ago, a gentleman being upon the lines, the owner of the horse said he would shew him as great a curiofity as he had perhaps ever feen; namely a living fnake in the eye of aliving horfe. Upon looking into it, to his great furprise, he could plainly discover the animal in all its parts, from extremity to extremity, in constant motion, in a somewhat convoluted form, its length being equal, as nearly as he could judge, to two diameters and an half of the horse's eye, which we may suppose will measure in all between three and four inches at the least; at that time, the clear part of the eye still retained its transparency, fufficiently to allow the whole appearance to be feen diffinctly.

The horse was soon after purchafed, and brought to Philadelphia, in order to indulge the virtuosi of every class, by giving them an opportunity of inspecting it themselves, and of communicating the result of their enquiries to the public at large.

The animal is fince fomewhat increafed in length, and is as thick as a knitting needle, or a piece of twine, as nearly as can be determined through the intervening medium. At prefent, apparently from the brifk and almost continual motion of the animal, the aqueous and vitreous humours of the eye are in some measure confounded; and the feptum or partition betwixt the anterior and posterior chambers broke down. The animal appears to be still receding into the back part, and by turns coming forward to the fore part of the eye, with a convoluted brisk motion. But the coats of the eye and humours have now fornewhat of a milky appearance, or colour of an incipient cataract,

It may be justly prefumed, that whatever was the state of that eye a few months ago, it is now blind. The lids of it are commonly shut, owing probably to the pain excited in the eye by so troublesome a guest. To get a good view of it, the keeper strikes the horse repeatedly on the back, at which, as if frightened, it opens the lids, and the eye continues to be disclosed for some time, which thereby gives an opportunity for inspection.

The milky appearance of late becomes gradually more opake; from which circumstance, it is probable the view of the object will by degrees be more obscure, and, after some time, afford less fatisfaction to the curious beholder, than what hitherto it has and does still afford.

The eye, and its contents, have been narrowly inspected by some gentlemen of the faculty, of distinguished ability, as anatomists and physiologists, who are cautious of pronouncing their fentiments, perhaps least a future inspection into it, after the death of the borfe, may difcover their opinion to be erroneous. and they may possibly imagine that it is an extraordinary difease or filiamentary production, assuming that strange appearance, from the difficulty, if they allow it to be an animal. of accounting how it got there. As I depend on the clear view I had of it, and doubt not the above gentlemen will be as much at a lofs, fupposing it to be a filiamentary production, to account for its vigorous lively motions as myfelf, I am content to be upon a level with them, and whilft I declare my opinion, that it is a living animal, I candidly own my ignorance how it came into the eye; though I am at no loss for fuch probable conjectures as pleafe myfelf, however infufficient they may be to fatisfy others.

But instead of leading the patient

and candid reader into groundless theories, I choose to refer all who doubt the fact, first to the history of the Guinea worm, of which there are instances, and I have seen one in the Pennsylvania hospital, extracted from the leg, feveral yards in length; fecondly, to the well-known history of the jointed or ring-worm, bred in the liver of mrs. Holt, in this city, of near 3 inches in circumference, and 20 in length*, recorded in the London medical essays: this I have feen in the curious cabinet of that eminent anatomist, dr. Hunter, of London: thirdly to the engraving of a similar one, large as life, inserted in the fecond volume of the Edinburgh medical essays, plate 4th; and lastly to autopfy, by examining the eye in question, which will afford ocular demonstration of the fact.

I shall conclude this essay with some observations of that prince of anatomists in his day, the celebrated Ruysch, who, from a practice of diffection, continued for near 80 years, a skill, diligence, and accuracy in examining into morbid bodies, and a niceness in the art of diffecting and injecting the vascular syttem, excelled all his cotemporaries in useful anatomical discoveries. His testimony in these matters was ever considered by Boerhaave, by Haller, and every medical writer fince, to be as incontestible authority as that of any other whatever.

In his 16th observation of volume the first, he afferts it to be proved by daily experience, "that worms may be generated in all parts of the body." "I strangled a dog," says he, "that wasvery lively three hours after being fed, with a view to examine the

NOTE.

* For an account of this interesting circumstance, see American Museum, Vol. II. page 570. lacteal or milk veffels. On opening the belly of it, a live worm, at least two spans long, skipped out of it. I could discover nothing amis in the omentum, nor any folution in the continuity of parts; and both the my sentery and intestines were sound."

Again, in observation 54th, he fays "I have had room given me to doubt, whether, as Harvey and his followers affirm, all animals are produced out of an egg, from worms being found in the arteries of living horses, as also from worms seen in the parenchyma or the glandular fubstance, as it is now called, of the liver; and also in the cystic duct and biliary pore of sheep; and very often in the gall bladder. I remember once to have feen them in the human kidneys, fuch as are more frequently met with in the kidneys of dogs. That worms have been sometimes found in the brain, nobody can gainfay, who will be at the trouble of turning over the writings of authors of high repute.

"By what passages those animals, or their eggs, were infinuated into the interior parts of the body, is not easy to determine. It does not feem probable that they could reach the forementioned places through the pores of the skin, or the organs of respiration, much less that their eggs were taken in at the mouth, and from thence proceeded to their respective places: nor yet is it likely they could remain entire in the stomach, where, in the process of chylification, there is a remarkable fermenting, and a breaking down of the parts of the food: nor can the chyliferous or lacteal vessels afford a paffage to the eggs in their route. And lastly, no living mortal has ever feen exactly fimilar worms out of the body."

Here then we ought to pause, to acknowledge our doubts, till, if ever it please God, some happy genius may arise, who, taking delight to search every particular, a proor, and with mathematical precision, shall be able to throw clear and indubitable light on this abstruce subject. M. D. Philadelphia, May 26, 1782.

Some further account of the before-mentioned horse.—By the hon. Francis Hopkinson, esq.

HAVING been myfelf a witness to the following curious fact, I thought it should not pass unrecorded, especially as it occurred in this

city.

A report prevailed last summer that a horse was to be seen which had a living ferpent in one of his eyes. At first I difregarded this report: but numbers of my acquaintance, who had been to fee the horfe, confirming the account, I had the curiofity to go myself, taking a friend along with me. The horse was kept in Arch-street, and belonged to a free negro. I examined the eye with all the attention in my power, being no way disposed to credit the common report, but rather expecting to detect a fraud or vulgar prejudice; I was much surprised, however, to fee a real living worm within the ball of the horse's eye. This worm was of a clear white colour, in fize and appearance much like a piece of fine bobbin; it feemed be from 21/2 to 3 inches in length, which, however, could not be duly ascertained, its whole length never appearing at one time, but only fuch a portion as could be seen through the iris, which was greatly dilated. The creature was in constant lively vermicular motion; ometimes retiring fo deep into the ye, as to become totally invisible, and at other times approaching fo lear to the iris as to become plainly and distinctly seen; at least so much of it as was within the field of the ris. I could not distinguish its head,

neither end being perfectly exhibited whilft I viewed it, and indeed its motion was fo brisk and constant, that fo nice a scrutiny was not to be expected. The horse's eye was exceedingly inflamed, fwoln, and running; I mean the muscles contiguous to the eye ball, and feemed to give him great pain; so that it was with much difficulty the eye could be kept open for more than a few feconds at a time; and I was obliged to watch favourable moments for a distinct view of his termenter. I believe the horse was quite blind in that eye, for it appeared as if all the humours were confounded together, and that the worm had the whole orb to range in, which, however, was not of a diameter sufficient for the worm to extend its full length, as far as I could discover. The humours of the eye were beginning to grow opake like a chilled jelly, and became altogether fo afterwards, as I was informed.

As this is a very uncommon circumstance, and may affect some philosophical doctrines, it is much to be lamented that the horse had not been purchased, and the eye diffected for better examination. That there was a living, felf-moving worm within the ball of the horse's eye, free from all deception or mistake, I am most confident. How this worm got there, or, if bred in fo remarkable a place, where its parents came from, or how they contrived to deposite their semen, or convey their egg into the eye of an horse, I leave for others to determine. - September 26, 1783.

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The true nature and cause of the tails of comets, elucidated in a rationale agreeing with their seweral phenomena. By dr. Perkins, of Boston.

Prefatory advertisement.

THE substance of the following effay was written soon after the appearance of the comet of 1769, and shewn to a gentleman or two of character, as a philosophic amusement, and the thing went no farther: but an hypothesis of a very different nature having lately appeared, and seeming to be taking place as a proper solution of the phenomena, the author thought himself interested to publish what he had so far exposed, with a few alterations to suit the just mentioned occasion.

The subject in itself is, indeed, of little importance: but right notions of the works and operations of nature are in many respects otherwise. Right notions of things improve the mind: and a just manner of reasoning, a posteriori, even in the smaller and less important matters, capacitates it for determining, more fafely, in matters of greater weight: on the contrary, an easy yielding to specious appearances, and resting at the mere femblances of truth, corrupts and depraves it; to which we may add, that leffer errors ever lead to greater.

What there is of truth in the performance, is, with all due respect, left to the judgment of those better versed in the nature of

things, by

Their very humble fervant,

THE defign of this short essay, called tails of comets, arise from a special matter in their atmospheres; something in a state of repulsion to the sun, and forced off by that luminary, while these bodies are in the lower part of their orbits.

The truth of this notion may appear by observing a little upon the shapes, and the lengths of the tails; but especially by the bend in those that pass near the sun, in their peri-

helions.

The tails have always been observed to be direct and strait bodies. excepting the bend in the foremen. tioned circumstance; and neither one or the other of these have ever been observed swelled on the sides. or in the least degree oval; which shews that their component particles have no repulsion among themselves; and, consequently, that they are not formed of any ærial fubiliance. It is well known, that the particles of air have a strong repulsion among themfelves, by which they must have rendered these bodies tumid; as, in case they were only atmospheres repelled, or upon being forced from their attracting centre, they would always fpread wide, till they vanished and became invisible. I imagine none will deny that the atmospheres of the celestial bodies are formed of air. that of the fun not excepted; however. I know of no observation that intimates any repellency between their atmospheres—or between the particles of air and the fun, by which the latter might be imagined to drive away any part of the atmofphere of a comet from the head of it. There is, no doubt, a mutual repulsion between the fixed stars, those other funs, by which they are hindered from approaching one another; but it is otherwise between them and The planets are attheir systems. tracted by the fun; and nothing appears different from this in their atmospheres.

mospheres.

All comets have atmospheres: and yet there are some without apparent tails (as that of 1770) although in a proper situation to shew them. These are properly termed bearded; the others not so, as particularly those in opposition to the sun, in which point all will appear bearded. Perhaps the nuclei of the former have little of the repulsive matter in their composition; or rather, they may be of too cold a temperature to volatilize

and diffuse it to the surface of their atmospheres, so as to render it capable of being disengaged by the sun's repulsion. But not to dwell on this; were the tails really the effect of a repulsion of atmospheres, there could be no comets without tails; fince all have atmospheres. The conclusion is unavoidable: and this alone might, well enough, be esteemed a sufficient refutation of atmospheric repulsion, and shew the impropriety of arguing for it from the mutual repulsion of electric atmospheres to one another, which is plainly not applicable to ærial atmospheres, they being different fubitances, and governed by different laws. And to what has been faid, we may add, that had the fun fuch power over these atmospheres, as to drive them into tails, of fuch lengths as we often fee them, it would greatly lessen them round the heads of the comets; whereas these remain the fame, if not increasing as they approach the fun. But I am, unawares, entered on the next article, which was to be confidered, viz.

That the very great lengths of these bodies ill agree with the notion of their atmospheres being repelled, to return again round their proper centres. The fun's attraction is in proportion to its quantity of matter, and extremely greater than any of the bodies in the fystem; and it's power of repulsion is the fame; this being fo, whatever substance it can drive from its near adherence to its attracting body, it will of necessity drive quite away, never to return: and every repetition of distance, in the remove, must render this effect if possible more certain; perhaps more of this by and by. I shall only add here, that the appearances, in the extremities of these luminous trains, shew that the folar repulsion does drive them quite off, if what we can perceive may be at all depended on. We fee the tails draw out to an evanescent length; or

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rather growing thinner and thinner, till quite lost. They appear like a stream of smoke carried by the wind till it vanishes; or we may compare them to the spires of the aurora borealis, which ascend and evidently vanish by avolation.

It feems to me that thefe tails may be feen in the comet's going off and coming on when at a distance, in which the nucleus, or head, is feareely, if at all, discernible. I had an accidental fight of that of 1744-5. on the 4th or 5th of December preceding it's full appearance. evening remarkably clear, the stars attracted my attention, and dwelling a little on a certain constellation, the eve catched a finall white streak, but as foon loft it again; thus a fecond and a third time, with no better fuccefs. My fight then a little fatigued. I could not recover it again; I therefore marked the place, expecting another opportunity; but this not foon happening, it was forgot. Two or three days before christmas, being told a comet appeared, I recurred to the place, and found it very plain to fight, and that it had moved two or three degrees towards the fun. What I perceived before, was only a fmall ftreak like a thort needle; but the head, as well as the tail, were now both visible enough. I imagine at the first time it was not far within the orbit of Jupiter.

A young gentleman, at Haerlem, discover'd it in the last week of November, but did not, as I know of, give any account how it appeared to him, although probably affisted with glasses, which I had not. Upon which permit me to observe, that it is to be regretted that our observers are so faulty in not giving more circumstantial accounts of what comes under their notice; especially concerning things of which, they are fensible, the world is greatly at a loss: an error by which mankind, more than

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by any thing else, have been kept in ignorance of many things which might have been known ages ago.

At the distance this comet was, when I first faw it, it must have had a very confiderable tail, otherwise it would have been invisible. I shall make little use of so impersect a fight as I had of it, rather taking occasion to mention two or three things which it fuggests. One of which is, that there feems to be no more of atmosphere round the heads of comets at greater than leffer distances. Another thing is, the great repulfive force of the fun at that distance, without which no tail could have appeared; for we connot reasonably suppose that a mere amospheric repulfion, were it real, would reach the thoufandth part of that distance, any more than that electric atmospheres would affect one another at any confiderable distances, which they do not. So also, a tail at this distance, is a prefumption of a peculiar matter repelled to form the tail, and upon which the whole folar body powerfully acts.

I come now to confider the bend, which I esteem the strongest evidence

for the truth of my notion.

The comet of 1680 had, perhaps, the largest bend of any one that has appeared in the course of time. It's revolution, we are told, is 575 years. Sir Isaac informs us, that it passed within one fixth of the diameter of the fun, in it's perihelion. Imagine then what a heat it must suffer, when at more than twenty times that distance it will set any combustibles immediately on fire. But the things here to our purpose are the bend, and the motion of the tail when passing the sun.

The tail was well towards 100, 000,000 miles in length; and in wheeling round the fun, must have fwept a quarter part of the heavens in one artificial day, in which the

extremity of it moved at least 200 000 miles in a minute of time. Thi velocity it fuddenly received upor it's appulse, and lost it as suddenly on it's recess from the fun. was the action, and fuch the amazing changes of action, which can by no means be accounted for on the hypothesis of atmospheric repulsion. may contrive, and talk very cleverly of the freedom for motion in a void and the very tractable nature of æria particles, to the least imaginable impulse; and we may be highly de lighted with our conclusions from de ceitful principles; but nature wil not comply with our inventions particles of air have gravity, and must therefore have force to start them; and, when put in motion ir a void, foreign refistance to reduce them to a state of rest again; all reasoning is here to no purpose, unless we allow particles in a state of repulsion to the fun, and capable of a flight, in some degree, similar to the rays of light, and exceeding what we frequently see in the aurora borealis.

Mr. Dale has given us the figure of fuch a bend as we are confidering; and if I remember right, shews it to begin about, or but little below, the middle of the tail, according to fir Isaac's observation on the forementioned comet; and we may suppose he has given it upon good authority. But in other things, which were foreign to the defign, the figure is fanciful, too broad and sharp-pointed to agree with constant observation; a fault which writers and defigners are too frequently chargeable with, and even in fuch things as require the greatest accuracy and precision. But it is time to make an end, hoping I have expressed myself so as to be understood, and that the reader is by this time fatisfied, that in case of a repulsion of atmospheres, the bend must, according to nature, begin at

the head of the comet, and that fuch an hypothesis will no ways account for any of the phenomena; while on that of particles, in a state of repulfion to the fun, and constantly paffing off from the atmosphere of the comet, there is no difficulty in accounting for all the appearances; particularly that on this principle the bend should, naturally, be at a greater or a less degree of distance from the head of the comet, according to the time the nucleus takes in passing round the fun, and the velocity of the avolating particles. But, fince a short space of time may change the direction of the tail, and different degrees of velocity will determine the place of the beginning bend, let it be supposed that these particles are four, seven, or ten minutes in reaching a given distance; the place of the bend will then be, cæteris manentibus, as the times inversely.

P. S. The writer did not suppose it necessary to use any accurate calculations; his design being only to give a short and general idea of the subject, agreeable to the laws of nature, which we are acquainted

with.

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Remarks on the different ideas of mankind, respecting the acceptation of the term, "business."

THERE is not any thing more difficult to define than the meaning of the word business; for, it may be indiscriminately applied to every pursuit in which a man is engaged, whether of an important or trifling nature; whether it relates to the accumulation of property, or the dissipation of time. To acknowledge yourself to be without business indeed, is to divulge that you are a useless member of the creation; and therefore we find that those who have

neither talents nor application adapted to the valuable occupations of life, are in the habit of making their very pleafures the fubject of labour, and of magnifying the minute occurrences of the day, into matters "of great pith and moment."

Mankind, in this respect, may, perhaps, be divided into two classes, those who are busy for themselves, which may be with or without profit, and those who are busy for others, which may be with or without invitation. To illustrate this proposition, permit me to delineate some living characters of both classes.

Figit is the most indefatigable merchant in the city. He boards every vessel that arrives in the harbour, though he has no reason to expect a confignment; and is generally at the post-office, as soon as the mail, though he has no reason to expect a letter. He never walks when he is in the streets, nor fits still when he is in a room. In his counting-house, indeed, he dances, perpetually, from desk to desk, to inspect the ordinary entries of the clerks; and if he has but a commission for the purchase of a fingle barrel of bread, you may trace him into every baker's shop in the town before he has performed it. The loading or unloading of a veffel for ever prevents his being punctual to an engagement; and he once apologized to a lady for delaying her dinner three hours past the appointment, by affuring her that it had been the means of gaining him fix-pence on the price of a puncheon of rum. In short, Figit conceives that the commerce of the state depends upon his exertions, and finds more pleafure in the oftentatious hurry of business than in the receipt of its greatest emoluments. He may therefore be ranked with those men who are uselessly busy for themselves, and who think the fatigue of labour is its sweetest consequence,

Of those characters who are busy for others, without deriving emolument from their labours, we may confider Peterkin Grunt, who has been called to the honourable station of a judge. In his official capacity he fits upon the bench punctually every day; but as he is fenfible that wisdom is the great attribute of a judge, and has diligently studied the maxim which fays, "he is a wife man who speaks little," Peterkin takes care, like the fagacious owl, to confine his wisdom to his looks, and has never been known to give his opinion in court, but upon the important question of an adjournment. In private life, however, he displays the natural loquaciousness of his dispofition, and delivers more law and politics in an hour, than would be fufficient to fettle every cause on the docket, and arrange all the principles of a government, which has for fo long a time employed and perplexed the federal convention. It is true, that in these respects he seldom agrees with the opinions of lord Coke or mr. Locke; but it would be as reasonable to expect that a man should be acquainted with a face that he never faw, as that he should understand doctrines, which he never read. It is enough for the peace and fame of Peterkin's life, that though a cypher himfelf, he has been able to add to the powers of a unit; and he frequently boasts, with an honest flow of felf-approbation, that unless he had been feated at the prefident's fide, the judicial business of the country could not have been transacted.

Amble is the hero of mobs, and a brawling member of clubs and affociations. There is no tumult in the street in which he is not buy, and no criminal court in which he does not appear as a party, juror, or witness. If a customer enters his shop, he finds more pleasure in discussing a point of

politics with him, than in felling his wares, and thinks it a greater honour to hold a lantern on the night of ar. election, than to have commanded at the battle of Brandywine. By his anxiety for the public welfare, he has at length impaired his fortune; and frequently neglecting his family in order to interfere in the quarrels of his neighbours, he has contracted a perpetual head-ach from the fractures and contusions, bestowed as the reward of his officiousness. Thus, it is as impossible to charge Amble with being idle, as it is to discover either profit or delight in the buftle of his existence.

But of all the employments which are chosen to supply the want of rea business, that of dancing attendance at tea-tables, and engaging in the learned debates of female coteries upon a feather or a fan, is the most ridiculous; yet we find Renaldo, : person of literary talents and infor mation, pursuing this system with a: much ardour, as if it were productive of the most substantial blessing. would not wish to be misunderstood the fociety of the ladies is certainly capable of communicating the mof refined pleasure, and of elevating the passions to the noblest heights of fentiment; but female occupations and manners are as unbecoming a man as the petticoat or the head drefs and mrs. Jolly who engages in all the manly pleafures of the bottle, is not a more disgusting character, than Renaldo, who engages in all the little pleafures of the tea-cup. There are, indeed, some men who seem defigned for the performance of those trifling fervices, which it is the province of the fair fex to impose: but Renaldo is not of that class. Nature has given him a heavy person and a louring afpect, to which the habits of scholastic life have added an embarraffed and ungraceful carriage. It has cost him more pains to learn the Parisian bow, than it did to acquire the Roman language; and even at this hour, he cannot contrive to pay a compliment without the affiftance of Horace or Ovid. It feems then to be the business of Renaldo's life, to counteract those qualifications which might render him an ornament of fociety; and he rests fatisfied at the close of every day, with the reflection of having filled a space in mrs. Prattle's drawing-room, or of having escorted mrs. Palace, to her home, on the breaking up of a tea-party. With these exemplifications of the position I have stated, I shall close the present letter. In a few days I will perhaps furnish some additional characters and remarks.

HARRY HOGARTH. Philadelphia, August 27, 1787.

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Confiderations on the late law of Pennlylvania, for mitigating the severity of the penal code of that state—with satisfactory reasons why its success has not equalled public expectation—and proofs that as yet it has not had a fair trial.

AFTER a new system of any kind, whether it be of law or other nature, hath been adopted and practifed upon, a review of its operation and effects, made at certain periods, feems to be proper, in order to judge of the experiment, and to discover the defects, if any, in the contrivance or execution of it: for all the undertakings of mankind are corrected by experience. With this defign, I with to exhibit to the public, the refult within the city and county of Philadelphia, of the benevolent act of the general affembly, which was published on the 15th day of September 1786, for amending the penal laws of this state, and rendering punishments less sanguinary;

passed in pursuance of the 38th and 39th sections of the constitution of Pennsylvania.

As the city and its vicinity are the principal scene of criminality in the commonwealth, a sketch of what has passed under this law, in the city and county of Philadelphia, will best elucidate the subject. The following is therefore taken from a more detailed account, furnished in March last, to a committee of the present sgeneral assembly, to which this matter was given in charge, to report thereon to the house.

On inspection of the records of the feveral courts of criminal jurifdiction, within the city and county, viz. the courts of over and terminer, the county fessions of the peace, and the city court, it appeared, that between the enacting of the new penal law in September 1786, and the 25th day of October 1787, (a space which exactly comprehended the proceedings of a year) 98 convictions under the scheme took place. These confisted of a variety of offences, exclusive of rape, arfon, and murder, which, together with treason, are still referred, if any had happened, for capital punishment. Of these 98 persons, there had been 27 pardoned, 17 had broken jail, and completely escaped, others who had got loofe, being recovered, and two had died; fo that by lenity of government, and by escapes, nearly one half of the offenders who were brought to justice, had avoided punishment. To ascertain the number of those, who, in the mean time, favoured by the tenderness of prosecutors, want of evidence, non-attendance of witnesses, artful defence of counfel, and mistakes and reluctance of jurors, had eluded juftice, is impossible; but, probably, it furpasses the number of the convict-This statement shows plainly enough, why the new plan, supposing it otherwise perfect, has not produced all the good effects expected from it. The present sovereign of Russia, in her instructions to the commissioners appointed in 1769, to frame a new code of laws for the empire, lays down as a principle, that "licennoulness proceeds from neglecting to punith, not from punishing with mildness." If we apply this to the case before us, the reasons why the late act has not been efficient, stare as in the face. The extreme facility with which pardons are obtained. must have invited to crime. Yet it is supposed, that this perversion of authority by gentlemen, whose peculiar business it is " to take care the laws be faithfully executed," has proceeded from the too great indulgence of humane feelings; a deeper insight of the subject, however, would have taught them that the impartial and ftrict execution of the moderate fentences under this law, would be the truest exercise of mercy.

The next half year, from the 24th of October 1787, till the 24th of March 1788, produced within the city and county 59 more convictions of this nature; besides several re-convictions of the pardoned, and of those who had broken jail, but who were retaken. Of the 59 last mentioned, two had died in prison; three only had been pardoned. For, by this time, fo many instances had happened of the immediate return to crime of those forgiven, that this abuse of mercy, had, in some measure, proved its own antidote. Indeed, there can be little doubt, that, if the present moderated fcale of penalties, were generally inflicted, pursuant to the respective sentences, offences would diminish. But in order to this, the council must not only forbear interpoling, unless in case of evident mistake in the verdict, but the courts of justice must direct strict enquiry concerning every escape of these convicts from their keepers, in order that

we may attain, as nearly as may be, to that "certainty of punishment, which (not the feverity of it), is the most powerful restraint of crimes."

To complete this fystem of punishment, in favour of which, the committee of general affembly reported. it will be requisite, that a new prison particularly for these convicts, be erected in the city of Philadelphia. This should be of fize sufficient to afford room for labour within doors. In this house, the condemned might be employed constantly, during the time of hard frost, and of stormy weather, without which the plan mult be very imperfect. Here, too, every hardened offender might, during the night, Sundays and other necessary times of relaxation of labour, be shut up in filence, feparate from his fellows, and a proper diffribution and severance made of the rest, according to their characters; thus preventing the total corruption of young finners, which will be unavoidable, if the confinement be promifeuous. Hitherto the female criminals, condemned to labour, have been prudently placed in the work-house, where, it is faid, their earnings have been equal to the cost of their food and clothes. The place may, perhaps, be too fmall to separate them, and set them at work properly. In the proposed new prison, the picking of oakum, chipping and rasping of logwood, sawing of marble, and a variety of other labours, might be contrived to fill up the whole time of the convicts; hours of necessary rest and refreshment excepted. Constant work, whilst it purfues and fulfils the fentence of the law, will prevent mischief among the prisoners, and relieve the county of the burden they bring upon it. It is obvious, that all intercourse with the wicked affociates of these criminals who are at large, should be prevented by a lofty inclosure, round this building. The county jail, bounding on Walnut and Sixth streets, admits of too easy opportunity of introducing through the windows, spirituous liquors and other improper articles un-

feen by the keeper.

In confidering the event of this scheme, it should be recollected, that the public, at the time of adopting it, was encumbered by a very confiderable number of old offenders, who had been hardened, not reformed, by public whipping; as to fome of them, often repeated. That others of these bad men, had passed through the fcene of capital conviction and sentence of death, but from the lenient spirit of the times, having escaped the merited fuffering, had, as is but too common, acquired a fearedness of conscience, and were now prepared for the most flagitious deeds. Some of each of these descriptions, were then in actual confinement; others were at large. The calendar of the county jail, delivered to the juffices of over and terminer and general jail delivery, on the 10th day of April 1786, gives the names of above fixty convicts for felony and other base crimes, then in cultody of the sheriff, of Philadelphia. Of these, some had been in prison between two and three years. Most of them had been corporally punished, as they had feverally been fentenced; but they were then detained for their respective fees, which the officers of justice, without prospect of obtaining, declined to remit, because to have remitted these legal dues, would have let loofe upon the public a dangerous gang of plunderers. In this manner, from fifty to fourscore wretches, sed at the county charge in idleness, were constantly shut up, corrupting one another.

Upon the passing of the act for commuting corporal inslictions by labour, as above mentioned, an almost general jail delivery took place. The fees of the felons and others, who had been punished, were remit-

ted, with defign to accommodate all things to the new plan. Many, who thus procured their release, were soon fent back to prison, charged with new offences—a circumstance little attended to, but which greatly helped to furnish a sudden and large lift of criminals under the new law.

Thus, besides unforeseen obstacles. with which this experiment in jurifprudence, has had to struggle-befides the difficulty of finding at once proper labour and proper inspectors, and the want of room within doors to employ the objects of it in bad weather—the plan has been undermined and counteracted by a profufion of pardons, and by an unaccountable number of escapes. If these facts be confidered, it will appear, that the new plan has not had fair play. Should pardons be granted, as they have been, under a scheme of punishment, so moderate in its preferiptions, and escapes of the keepers continue to be passed over, without check, that certainty of fuffering, aimed at by the devisers of it, and upon which all its energy depends, will not be attained. Our criminal code must become a dead letter, and infidious offenders of the basest kind, together with the fons of high-handed violence and rapine, will stalk openly through the land. The orderly and industrious, surrendered to the unworthy, the idle, and the unprincipled, will be tempted by the impunity of the guilty, to join those, who, forfaking honest exertion, live upon the labour of others.

Supposing the act of 1785 repealed, we should return to the inessectual laws, which formerly directed our tribunals; to whip the fraudulent, and to hang the robber and housebreaker by night. We know, by experience, that whipping, not exceeding forty stripes, will not avail: and we are not to expect that the rulers, who failed of steadiness,

in permitting the inflictions of labour, to which burglars and robbers have been fentenced, will iffue death warrants with necessary strictness upon such offenders; much less upon those who commit smaller crimes, if capital sentences were extended to them, as they are in England.

Yet, supposing the council should do all this, is capital punishment effectual in restraining the commission of crime? If the injured through compassion should not forbear to profecute-if jurors through compaffion should not forget their oaths, and neither acquit the guilty, nor mitigate the offence—and judges through compassion should not respite one half of the convicts, and recommend them to mercy-if all chances of escape could be excluded-yet ought this course to be taken? The great Montesquieu, to shew how unavailable capital punishment is, has instanced in the case of soldiers deferting from an army, and he has shewn that since desertion has been punished with death, the offence has vastly increased. This hath happened, it will be faid, because such an outrage on humanity, as the strict execution of this law would produce, has reduced the law to a dead letter: that impunity has encouraged the offence. Be it fo; would not the renewal and extending of capital inflictions turn out fo among us? But has the constant and strict execution of the fentence of death, in England, in the cafe of forgery, first begun in 1695, and fince gradually extended to almost every species of it, been advantageous? Do not modern inilances, fuch as those of the Perreau's, dr. Dodd, Ryland, &c. &c. shew that it is far from being suppressed, tho' no pardons have, in the mean time, weakened the impression of these severities? This crime, so mischievous where paper credit abounds, has latterly been perpetrated in England by men in higher stations than formerly; by such, as, from their connections and circumstances, were feemingly placed above the suspicion of forgery: so little has the severity of punishment restrained from the commission of crime.

Philadelphia, May 12, 1788.

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Observations on the management of the female convicts, in the work-house, Philadelphia.

THE judicious management of the female convicts, in the workhouse of this city, under the new penal law, merits great appro-bation. These women, who entered that prison with dissolute dispositions, equally unwilling and incapable of engaging in any profitable employments, have, by a strict but not cruel superintendance, been gradually reconciled to labour and industry, and, by a patient attention, have been instructed in several useful and ingenious occupations. Besides furnishing coarse linen, and articles of fummer wear, for the convicts of the other fex, a very confiderable quantity of fine linen has been made for public fale by this unhappy fifterhood, who were before ignorant in every branch of that manufacture. By fuch means, punishment is directed to its noblest end-the reformation of the offender; who having thus acquired a skill by which an honest livelihood may be obtained, will be under no temptation to return to the paths of vice; and may hereafter make atonement to fociety for those transgressions, which oftener proceed from the want of reputable refources, than from the mere depravity of the mind.

Philadelphia, Jan. 3, 1788.

Remarks on the propriety of employing convicts in clearing the navigation of obstructed rivers.

THE punishment of crimes, by forcing the criminals to labour for that community, which they have injured, is certainly a more happy expedient for the prevention of publie injuries, than any which has hitherto been attempted. But whether the fervices of those unhappy people (who have, by our laws, been condemned to the barrow) are made as useful to the state as possible-or whether the mode of employing them, is the best calculated to bring them back to the paths of virtue, or to deter others from the paths of vice-I confess apwears to me a matter of some doubt.

The business of the wheelbarrowmen, as they are called, has been generally confined to cleaning certain parts of the city, levelling the fields, &c. They were well employed, but their labours have only benefited a part of the state, to the whole of which their fervices were due.

The power of making these people beneficial to the state at large, I conceive, tests only with the legislature: to that body, therefore, I beg leave to address these remarks.

. The inland navigation of this state ought, in my humble opinion, to be confidered by our rulers, as a matter of the greatest moment : and every scheme, proposed for the furtherance of this grand object, ought to be taken into confideration, and, if found good, immediately adopted. Our population increases beyond imagination. Agriculture flourishes: and the productions of the earth have, within a very little time, become immenfe. Our upper country is a granary, where every thing necessary to life is produced in aftonishing quantities; and the farmer would have nothing to wish, could the fruit of his labours receive a value, which

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a ready transportation would give them. But, unhappily for him, the streams are blocked up, and the depth of the great river is daily decreasing. The obstructions in the Mohawk can scarcely be more detrimental than they are at prefent. Those in the Hudson are increasing every moment; notwithstanding the means that are used for their removal-means which might prove fuccessful on a muddy bottom, but which can never fix the fluctuating fand. Some other mode must be adopted, fome other way found out, to prevent the defolation of Albany. and to increase the value of the landed property in the upper country; for on the increase of property, depends the increase of revenue, without which, whether we stand alone, or link with others, our government will have no strength. As inland navigation, then, is of confequence to the prosperity of the state, and as the prefent attempt to deepen the Hudson, will not, in my opinion, fucceed-I beg leave, with all due deference, to offer a plan, which, with lefs expence, will produce the withed effect. I would propose, that the criminals, who have forfeited their liberty to the public, should be collected from every part of the state, and put upon this necessary work; that a number of flat bottomed boats. fufficiently large for the purpole, each with eight oars and a large fquare fail, should be furnished, in which the culprits, with a master and necessary affistants, should be placed; that these boats should be loaded with stone, from the immense heaps which lie on the western shore of the river, for miles together; that those stones should be carried to the Overflaugh, or wherever, in its vicinity, the river is filling up, and there, between the islands, which only serve to distract the course of the water, they should be unloaded. The consequence C

would be, that the stream, so long used to flow in different channels, being dammed into one, would become more rapid, and its bed be kept clean from those fands, which, while the water had a fluggish, various course, were rolled from one channel to the other.

Independent of the benefit navigation would receive from this plan, those islands between which the dams were laid, would be joined together in a short space, by the vast quantity of fand, accumulated under cover of the dam; and the property, which is now leffened every flood, would be increased.

The unhappy people, who are proposed to put this plan in execution, retired in a certain degree from the world, far from their vicious companions, (the very fight of whom, unpunished, ferves but to harden them in guilt) kept to hard and continual labour, under decent but firm masters, would reflect upon their crimes, and refolve, when liberated, to become good members of that fociety which

they had injured. We are generally apt to imagine those punishments inflicted at a distance, and the extent of which is not fully known, to be much greater than they are. The fancy, ever bufy, would paint to those yet undetected in their crimes, the fituation of their guilty friends much worfe than death; their fears would be alarmed, and stop them in the full career of vice; while, by the present mode of punishing, they see the whole extent of what they have to dread, the fight becomes habitual, and loses all its terrors.

Thus it appears to me, that the punishment of our criminals is not fo conducive to the welfare of the state—is not so well calculated to bring back those who have erredor to prevent the straying of others from the paths of virtue-as in an alteration of the present mode might TIMON. be expected.

News York, Jan. 13, 1788.

Observations on the striking advantages refulting from fentencing convicts to hurd labour and folitude. *

Hope, near Manchester, March 10,

T Believe there is now little oc-A casson to impress upon the public fense, the great necessity of a speedy and thorough reformation of our prisons, and the execution of the penitentiary act of the 19th of the prefent king. The writings of mr. Howard and fir George Paul, and the labours of the late mr. justice Blackstone, and the right honourable William Eden, have produced a general conviction in the minds of all ranks of people, on these great points. It may, however, be of fervice to point out the success of the scheme of punishment, by folitary imprisonment and hard labour, where it has been tried. I have now before me, "a printed lift of prisoners under confinement, and fentenced to hard labour, in the castle, jail, and Bride-well of the county of Oxford; with an account of their earnings, expences of maintenance, materials for work, clothes, overlooking, &c. from January 23, 1786, to January 17, 1787.

This paper is divided into eleven columns, containing the names of

NOTE.

* Although this piece, at first views, may appear not to full within the plan of the Museum, yet the importance of the subject, and the probability that it will, as it ought, attract the serious attention of most, if not all of the legislatures in the union, are presumed to be sufficient applogy for the printer's introducing it, with the three preceding Speculations. To grow wife by the experience of others, is the province of a select few -and it is to be hoped that America will prifit by the wisdom as well as by the errors of her parent .- C.

the prisoners, their ages, punishments, crimes, when discharged, total earnings, expence of clothes and extra food, expence in county allowance for bread, behaviour, and general remarks.

A fingle instance will illustrate this

table

"Joseph Parish, aged 19 years, committed to hard labour for four years for a highway robbery, March 10, 1786. His sentence afterwards remitted by his majesty, on account of his good behaviour, to three years and a half. Total earnings, 141. 108. 8d. clothes and extra food 61. 6s. 4d. allowance for bread 31. 2s. 6d. industrious, now at hard labour."

The number of prisoners committed in the above period to hard labour was 45; and many of them for seven, four, three, two, and one years, and for great offences. looking over the columns of offences and general remarks, I observed that 27 are described as industrious. Of many of these, it is further said, that they have been very diligent, and remarkably good; that they had been rewarded, and had whipping and part of their terms remitted by his majesty, [on the recommendation of] the vifiting magistrates. Their general account stands thus, and I am credibly informed, that their earnings have been much under-rated

nave been much under-rated.	
	£. s. d. 58 18 0
Expences for bread	58 18 0
Ditto in clothes and	
extra feeding	$85 1 9\frac{1}{2}$
Overlooking	21 10 0
Materials for work, &c.	12 12 0
	~
	178 1 01/2
Total earnings	198 1 11
Total expence	178 1 51
Balance faved to the	

county, above every

expence whatever

Five of the best of these convicts were employed as a porter, a mason, a carpenter, (in the new buildings) a taylor, and a cook. The mason earned 10s. a week, and the carpenter as much.

One Moses Hutton, aged 29 years, committed for 12 months, and to be severely whipped, for selony, was so remarkably good, that he was appointed porter, and had the whipping, and half of his time remitted to him by the mercy of the king; and, at his discharge, was rewarded, and

completely clothed.

The following N. B. is added to the bottom of the lift, "the above report was made at the last epiphany fession, and was then ordered to be printed, and to be fent to the lordlieutenant, the acting magistrates of the county, and foreman of the grand jury, at the next lent affizes. And the justices then prefent, willing to give every encouragement to the general plan of reform now going on at the castle jail, and to such costvicts as shall conduct themselves to the fatisfaction and approbation of the committee appointed to superintend the management of the castle jail, unanimously agreed to open an annual subscription, by the magistrates and other gentlemen of the county, for pecuniary rewards on the discharge of industrious prisoners, and for prison charities in general." (See 19th Geo. III. c. 74. fect. 37, 49, 56.)

This account proves the wisdom and humanity of the mode of punishing felons by solitary imprisonment and hard labour. Its tendency to reformation is evident; many at Oxford, at Wynmondham in Norfolk, have been reclaimed; and the product of their labour has more than repaid all the expences of their clothes and food. But this product ought not merely to be estimated as a faving equal to the surplus of the ear-

nings above the expence; because the whole amount of their earnings should be considered as actual gain to the community, which thus derives the great advantage of so much productive labour from a fet of men, who would otherwise be lost to their country, as transports, or remain a heavy burden upon it in the hulks or in the wretched jails, in which they have hitherto been confined.

There is nothing in this plan that endangers their health or lives, or adds to the limited and defined circumstances of their fentences. Their separation prevents evil communications, and stops the contagion of villainy. Their food, raiment, and lodging are clean and wholesome. Their labour tends also to preserve their health, and they have the benefit of religious instruction. Yet, a long and strict confinement in a folitary cell, without the fociety or converse of their fellow creatures, and a perpetual task of hard labour, severely enforced, must be a terrible punishment to these convicts, and exhibit a continued and powerful example to deter others from the crimes for which they fuffer.

T. B. BAYLEY.

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Observations on filk worms: recommended for publication by the committee of the American academy of arts and sciences, upon agriculture.

the manufacture of filk are as practicable in this country as in any other; and, if attended to, may be greatly beneficial to it. With respect to the feeding and management of the worms, it may be the work of children, under the direction of some intelligent person. It has been lately found, that the greater part of their food may be the garden lettuce, on

which, with a certain proportion of mulberry leaves, they will thrive well; but it is not improbable, that lettuce alone would answer. mulberry tree, however, can be propagated here at pleasure: it is of a quick growth, and large plantations of them might be had in a few years. If by further experiments it should be found, that lettuce alone would answer for the food of these insects, there would be no necessity, in order to an extensive propagation of them. and a proportionable increase of filk, to wait for the growth of fuch plantations.

The confideration of this subject is recommended to gentlemen and ladies in the country; for whose information the following observations upon it, made by a lady in England, are extracted from the monthly review for December 1786; being taken from the fourth volume of the transactions of the society for encouraging of arts, manufactures,

and commerce.

"The breeding of filk worms, with a view to profit in manufactures, was only introduced into France by Henry IV. in the beginning of the fixteenth century, contrary to the advice and opinion of Sully, who often remonstrated with his clear-fighted master against that project, because he dee ned it a chimerical undertaking to attempt to rear them in fuch a cold climate as France. Experience has now fufficiently proved, that the enterprifing monarch judged more wisely than the fage and cautious minister; as ir is well known that France now produces filk in very considerable quantities. But though France happily fucceeded in this hopeless experiment, as it was judged at the time, scarcely an idea seems ever to have been seriously entertained by any one, that it was possible to rear the filk worm with a view to profit in this country; or to establish

the filk manufacture on the produce of Britain. Yet we think the facts afcertained by the ingenious and spirited miss Rhodes, go far to prove that it is not only possible to rear filk worms on the produce of this country, with a view to profit, but that it is even highly probable that they may be here reared with equal, if not with greater advantage than in Italy and other warm countries, where, only, until very lately, it was believed they ever could be bred.

"That the reader may be enabled to judge for himself in regard to this particular, let him be informed, that our fair experimenter discovered, in the first place, that the eggs may be preferved in a dormant state, in this climate, with the greatest ease, as long as you choose; and that they can be brought to life whenever you incline, during the fummer months, by merely exposing them to the rays of the fun; fo that there is no danger of their coming before the food provided for them, has been produced. or of their remaining dormant, while it is in perfection.

" In the fecond place, she has also found, that in the cool temperature of our fummer air, the chryfalis remains fo long in a dormant state. that fufficient time is allowed to wind off the filk without killing it: whereas in warm climates, where their revivification is much quicker, there is a necessity of killing the chryfalis, by exposing it to the heat of an oven, for a certain length of time, before the cones are wound off (boiling water is not sufficient to kill it) to prevent them from cating their way through the cone. The filk, by the heat it is thus made to fustain, is confiderably damaged, which never needs be done in this country.

"III. Where it is necessary to kill the chrysalis, in all those cones intended for the best silk, it becomes necessary also to select a sufficient number of the largest and best cones, that they may be preserved for producing eggs. All these cones, therefore, are destroyed, and the filk of them in a great measure wasted by the holes that the moth eats through the cones when hatched; and thus a great waste is incurred, which with us would be entirely prevented.

" IV. With a view to lofe as little as possible in this way, those who rear filk worms, in warm climates, fuffer no more moths to be produced than are fufficient to lay the number of eggs that are barely necessary for keeping up their stock of worms: so that, if any accident happens, either to these eggs, or to the worms, after they are hatched, they must, for that feafon, lofe the whole produce of their filk worms. But as, in England, the eggs of all the moths, without exception, might be preserved. if necessary, without any waste whatever of the filk, it is impossible that those who may here follow this business, should ever be subjected to the inconvenience abovementioned.

"V. It is found by experience that thunder is extremely prejudicial to the filk worms; fo that many millions of them may be killed by a thunder florm, and with them, the filk they ought to have produced, is entirely loft. But as thunder is much more frequent, as well as more violent in warm countries than in England, the lofs arising from accidents of this nature must be there much oftener experienced than here; so that our chance of success must be much greater on this account than theirs.

"From all these considerations, it would seem, that silk worms may be reared in Great Britain, with equal, if not with greater probability of success, than in those countries, where they have been hitherto reared, with a view to prosit in manufactures; and this opinion is confirmed by the observations that follow:

"Mis Rhodes has found that the filk worm can be fed upon lertuce. and kept in perfect good health on that food alone, four for out of five weeks, that it usually exists in the vermicular state; so that it requires only to be fed about one week on mulberry leaves. Now, if it be confidered that mulierry trees can bear the climate of Britain perfective well, fo as to produce leaves in as great abundance here during the fummer months, as perhaps in any part of the globe, it feems impossible to deny that raw filk can be produced here, in any quantity that might be judged proper, at as low a price, or possibly lower, than in those parts of the world from whence we at prefent obtain it, should the following system of economy, or fomething like it,

be adopted.

"It was found by experiment, by miss R. that ten thousand filk-worms confumed, in a day, about one bushel of fresh mulberry leaves. Now, let us, for example, suppose that a plantation of mulberries was made of fuch an extent, as to yield ten bushels of leaves a day, during four months each year. In this case, it would be proper for the owner to hatch about a hundred thousand eggs, four weeks before the mulberry leaves should have attained their full perfection; the worms to be fed during these four weeks on littuce. At the end of a week or ten days, or (for the present, fay) a fortnight, let another hatching of the fame number be made. These would be ready to take the mulberry leaves after the former brood had begun to spin. And if another hatching fucceeded thefe, and fo on through the whole feafon, it is plain, that thus the mulberry plantation, (a fufficient supply of lettuce being always kept up at the same time) could rear in one season, at least eight (it might be fixteen) broods; but we shall call it ten, that is, one million of worms in a feafon. Whereas, i the way they are at prefent manage in Italy, that plantation could have fubfifled no more than one hundre thousand; because, in as far as we callearn, the natives of these countries never have been in the practice of trying to preserve the eggs beyon the time the natural heat of the climate produces them; so that the whole brood comes into life at on time; and that number never callexceed that which their sood is captible to sustain at once, which, by the supposition, was a hundred thousand

"We are now also brought to see of what importance it is to be able to preserve an inexhaustable store considerable and inexhaustable store considerable are always in readiness to that the see of the destruction of any part of the brood be thunder, or any other accident, the loss could be speedily retrieved, be hatching a new brood to supply the:

place.

"We may also observe, that, cor sidered as a manufacture, calculate to give employment to women an children, many would be the ac vantages from rearing them in fuc ceffive broods, as is here propole for Great Britain, in comparison c having the whole at once, as i other countries. In the first way constant employment would be give for the necessary hands, for man months, without any extraordinar hurry at one time, the several brood coming in regular fuccession; so that the cones of one brood would just b finished, when another was ready t begin: whereas in the other case, a the work comes only at one time which then occasions a hurry, -- an idleness afterwards must ensue.

"We have enlarged a little of this important article, with a view to bring the fubject as generally as polble under the confideration of the ublic, and to induce fome enterpring individual to make trial of a lantation of mulberries on the planere developed. We shall briefly nention a few other particulars, taknotice of by our amiable conductes in this pleasing excursion.

" Miss R. found by accurate exeriment, that a fingle cone of her ilk, produced from a worm that had seen fed only one week on mulberry eaves, yielded a thread of four huntred and four yards in length, which, when dry, weighed three But upon an average, she ound that it required about three undred and fixty cones to yield an unce of filk; independent of the oose filk round the cones, and other efuse filk, that must be carded, which is at least equal in weight to he pure filk; fo that, in all, three undred and fixty cones yield about :wo ounces of filk, fine and refuse

ogether. "Miss Rhodes takes notice of one seculiarity attending the mulberry eaves, that was new to us. It is, hat no animal feems to prey upon that leaf, except the filk-worm, aone. Nor did she sind any other vegetable common with us, that was wholesome to the filk worm, excepting lettuce only. It is probable, however, fome other plants may be found which will answer the same purposes; and it is worth while to continue to try if fuch can be discovered. She found that neither elm, ash, vine, hazel, lime, currant, chefnut, kidneybean, strawberry, nor raspberry would do, nor common cabbage. Lettuce is one of the lactescent, semiflosculous plants, and among these, trials should be made; especially when it is observed that these plants in general, like the mulberry, are very little liable to be eat by any kind of caterpillars. Have dandelion, fow-thiftle, and others of the same nature, been

tried? though most quadrupeds refuse these, we have observed that rabbis preser them to most kinds of plants.

"We congratulate mifs Rhodes on the honour that the has accquired by these experiments; and hope she will have the happiness of seeing many follow her example."

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Letter on the culture of Tariary oats.
Addir fied to the fecretary of the agricul ural ficiety of Boston—and published by order of said society.

TAVING had repeated affur-A VINO mad by ances and feveral proofs of the advantageous culture of Tartary oats. I have made trial of one acre. fowed last spring five and a half, and I have reaped fixty five meafured bushels. The land was in very had order: and I could not drefs it as it ought to have been done, as I was just come to the farm, and could procure but very little dung. I confider oat ftraw a great advantage, because cattle are very fond of it, and often prefer it to hay. The stalk of these oats is very tall, and of subflance enough to support a heavy top, many of which I have counted, and on one fingle stalk have had 146 kernels. Clover fowed with the oats. most farmers know the benefit of: therefore I need not recommend it. The usual quantity of oats raised in these parts on one acre, is from twenty five to thirty bushels. I fowed five bushels and a half; but four are quite sufficient.

If you will please to lay this before the society, I shall essem it a favour. They will judge of the propriety of recommending this fort of oats or not.

I am, very respectfully, fir, your most humble servant, WILLIAM MARTIN.

William Erving, efq.

fecretary to the agricultural fociety.

Letter on the advantages of introducing the uje of small beer generally into the country. Addressed by John Beale Bordley, esq. to the Philad lphia society for promiting agriculture and rural affairs—and published by their order.

Gentlemen,

OUR defign comprehending whatever concerns the interest or economy of the American farmer, a paper which recommends to him any practice fuccessfully established in other countries, is not improperly addressed to you. The practice I mean, is that of brewing maltbeer, which has so generally obtained among the farmers in England.

Spirituous liquors have been found as fatal to virtue as to health; and, in every country, the free use of them among the common people has deltroyed the faculties of both foul and body. Any proposal, then, which has for its object a change of a destructive beverage, for a delicious and wholefome drink, is entitled to a favourable reception, and is equally worthy of the regard of our rulers and ministers of religion: for the state has an interest in the vigour and strength of its people; and religion fubliffs but to little purpose without morals.

When it is a fact, generally admitted, that the common use of maltbeer is a promoter of health and vigour in the people of the northern nations of Europe, and that the farmers in England brew their own beer, we may well believe that to introduce the practice here, would be an important good to the people of this country also; especially as the American farmer would thereby be freed from the necessity of expending his money for foreign spirits, which every serious person sees with forrow is the canker of health and of happiness in many families in this country.

It is easy to raise objections:—it is manly to overcome difficulties. In the present case, there is but one difficulty imagined:—" We cannot get malt." This is an obstacle easily to be surmounted: it is in the power of our legislators to introduce malt for general use, throughout the states, in a short time; whereas, if it be left to chance, or to the example or exhortations of individuals, the acquisition is probably some hundred

years distant.

At the commencement of the revolution war, it flruck me, that the brewing of beer at home ought to be a fine qua non among farmers here, as well as in Europe; and I was the more confirmed in this opinion, when I perceived, from my own little practice, that the knowledge of malting and brewing was fo eatily acquired, as to become familiar to my common fervants: hence it is evident to me, that any person may readily learn both how to malt, and how to brew. But, there are reasons why here, as in England, it is best that the farmer should buy the malt he wants. That he may do this, malt must previously be introduced somewhere within his reach: and to bring that about, it ought in my humble opinion to be taken up, first by the people of the county defiring it; who will apply to their general af-fembly, for a malt-work to be erected at the expence and for the use of the county, under proper regulations, adapted to the defign.

I have thought of a scheme of such a county malt-work, and of principles and regulations by which it may be conducted to the best purpose; in the execution whereof, the expence need not be great, and cannot far, if at all, exceed the income of it. The convenience of such a county work will render the cost of malt less in this way to the farmer, than if he made it at home; nor need

he expend his cash about it, as an exchange of malt for barley will be preferred by the malster. Whatever shall be gained in the business, is to be carried to the credit of the county. It is hoped there would be fome gain; because in the beer countries of Europe, most of their malt is purchased from persons who carry on malt works at their private expence; which strongly implies a gain on the Some malfters exchange business. malt for barley, bushel for bushel, for their profit :- but it is probable the honest malster would find his advantage from it rather finall. There is a practice by others of blowing up malt, in which case measure for measure may give sufficient income. On the other hand, where (as I have known practifed) twelve pence moreover is taken, there the malster gains immoderately; or else he malts imperfectly, to render fuch addition necessary for giving him a sufficient

Under fuch a public work, every person of the county, from the lowest tenant to the greatest farmer, who shall grow a few bushels of barley, can have malt without applying cath: he only carries his bags of barley to the work, and returns with them full of malt: the brewing it into beer to his own fancy foon becomes familiar, and it will be pleafing to his good wife and family. Until the farmer shall raise hops, hearhound will be a wholesome substitute. This drink is more certainly to be acquired than cyder; barley being hardy against every enemy to grain whilst growing, except water holding grounds. So shall every farmer of the county, adopting the defign, be independent of the caterpillar and other usual enemies to the apple, and also independent of foreign countries, for a wholefome homebrewed drink at his own command!

From the experience of feveral Vol. III. No. VI.

harvests, in which a light beer was the only drink of the people, excepting water, rum being totally excluded, beer proved to be most satisfactory, the most profitable and wholefome liquor that my people have ever had at their harvest: they every way prefer it. It is pleafing to fee how much more chearfully, steadily, and orderly they go through the whole harvest, than they did when rum was nfed—that quick, wildfire cordial, which fo hastily raises the people up to excefs, and often difables them for future reaping for days, and even entire harvests. I have only further to observe, that beer is the harvest drink in the northern countries of Europe, generally, as I am informed.

With hearty inclinations to fecond the defigns and endeavours of your fociety in promoting the happiness of American husbandmen, I am, gentlemen, your friend, B.

Maryland, Jan. 14, 1786.

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To the editor of the American Museum.

THE following account of the palma christi, is communicated to the royal fociety of London, in a letter to fir Joseph Banks, P. R. S. from dr. Simmons. It is in "an account of medical plants growing in Jamaica"—by William Wright, M. D. F. R. S. and of the royal college of physicians and royal fociety of Edinburgh. As the palma christi grows very luxuriantly in our climate, you are requested to devote a page or two of your useful repesitory to this article: it has been cultivated by many gentlem in of this state in their gardens, as a rare plant; having been introduced into Pennfylvania but a few years before the revolution. I have frequently feen the plant in our gardens: it appears to be hardy; and the cultivation of it requires very little attention, provided the feed be fown in a light, rich foil. The propagation of this valuable plant in these states well deserves the notice and care of our farming gentlemen. W. B.

Account of the palma christi, or tree that produces the castor oil nut.

HIS tree is of speedy growth; as, in one year, it arrives at its full height, which seldom exceeds twenty seet. The trunk is subligueous; the pith is large; the leaves broad and palmated; the slower spike is simple, and thickly set with yellow blossoms in the shape of a cone; the capsules are triangular and prickly, containing three smooth grey mottled seeds.

When the bunches begin to turn black, they are gathered, dried in the fun, and the feeds picked out. They are afterwards put up for use, as wanted, or for exportation.

Castor oil is obtained either by expression or by decoction. The first method is practifed in England; the latter in Jamaica. It is common first to parch the nuts or feeds in an iron pot over the fire: but this gives the oil an empyreumatic taste, finell, and colour; and it is best prepared in this manner:

A large iron pot or boiler is first prepared, and half filled with water. The nuts are then beaten in parcels, in deep wooden mortars, and after a quantity is beaten, it is thrown into the iron vessel. The fire is then lighted, and the liquor is gently boiled for two hours, and kept constantly stirred. About this time, the oil begins to separate, and swims on the top, mixed with a white froth, and is skimmed off, till no more rises. The skimmings are heated in a small iron pot, and strained through a cloth.

When cold, it is put up in jars or bottles for use.

Castor oil, thus made, is clear and well flavoured; and, if put into proper bottles, will keep sweet for years.

The expressed castor oil foon turns rancid, because the mucilaginous and acrid parts of the nut are squeezed out with the oil. On this account, I give the preference to well prepared oil by decoction.

An English gallon of the feeds yields about two pounds of oil,

which is a great proportion.

Before the disturbances in America, the planters imported train oil for lamps and other purposes about sugar-works. It is now found that the castor oil can be procured as cheap as the fish oil of America; it burns clearer, and has not any offensive smell. This oil, too, is sit for all the purposes of the painter, or for the apothecary, in ointments and plaisters.

As a medicine, it purges without flimulus; and is so mild as to be given to infants soon after birth, to purge off the meconium. All oils are noxious to insects: but the castor oil kills and expels them. It is generally given as a purge after using the cabbage bark some days.

In conflipation and belly-ach, this oil is used with remarkable success. It sits well on the stomach, allays the spasm, and brings about a plentiful evacuation by stool, especially if at the same time somentations, or the

warm bath, are used.

Belly-ach is at present less frequent in Jamaica than formerly, owing to several causes. The inhabitants, in general, live better and drink better liquors; but the excessive drinking of new rum still makes it frequent amongst soldiers, failors, and the lower order of white people. I have known it happen too from visceral obstructions after intermittents, or March severs, in Jamaica.

Larus made in the dominion of New Haven, at its first settlement.

HE governor and magistrates, convened in general affembly, are the supreme power under God of this independent dominion.

From the determination of the af-

fembly no appeal shall be made.

The governor is amenable to the

voice of the people,

The governor shall have a fingle vote in determining any question, except a casting vote, when the affembly shall be equally divided.

The affembly of the people shall not be dismissed by the governor, but

shall dismiss itself.

Conspiracy against this dominion

shall be punished with death.

Whofoever fays there is a power and jurisdiction above and over this dominion, shall suffer death and loss of property.

Whoever attempts to change or overturn this dominion, shall suffer

death.

The judges shall determine con-

troversies without a jury,

No one shall be a freeman, or give a vote, unless he be converted, and a member in full communion of one of the churches allowed in this dominion.

Each freeman shall swear by the bleffed God to bear true allegiance to this dominion, and that Jefus is

the only king.

No quaker or diffenter from the established worship of this dominion, shall be allowed to give a vote for the election of magistrates, or any officer.

No food or lodging shall be offered to a quaker, Adamite, or other heretic.

If any person turns quaker, he shall be banished, and not suffered to return, but on pain of death.

No priest shall abide in the dominion; he shall be banished; and suf-

fer death on his return.

Priefts may be feized by one without a warrant.

No one to cross a river but with

an authorized ferryman.

No one shall run on the sabbath day, or walk in his garden, or elses where, except reverently to and from meeting.

No one shall travel, cook victuals. make beds, sweep house, cut hair.

or shave, on fabbath day.

No woman shall kiss her children on the fabbath or fasting day.

The fabbath shall begin at sunset

on Saturday.

To pick an ear of corn growing in a neighbour's garden, thall be deemed thefr.

A person accused of trespass in the night, shall be judged guilty, unless

he clear himself by his oath.

When it appears that an accused has confederates, and he refuses to discover them, he may be racked.

None shall buy or fell lands without permission of the selectmen.

A drunkard shall have a master appointed by the felectmen, who are to debar him from the liberty of buying and felling.

Whosoever publishes a lie to the prejudice of his neighbour, shall be fet in the stocks, or be whipped ten

ftripes.

No minister shall keep a school. Every rateable person, who refuses to pay his proportion to support the minister of the town or parish, shall be fined by the court 21. and 41. every quarter, until he or she pay the rate to the minister.

Menstealers shall fuffer death.

Whofoever wears clothes trimmed with gold, filver, or bonelace, above 2s. per yard, shall be presented by the grand jurors; and the felectmen shall tax the offender at 300l. estate.

A debtor in prison, swearing he has no estate, shall be let out, and

fold to make fatisfaction.

Wholoever fets a fire in the woods,

and it burns a house, shall suffer death: and persons suspected of this crime shall be imprisoned without benefit of bail.

Whofoever brings cards or dice into this dominion; shall pay a fine

of five pounds.

No one shall read common prayer books, keep Christmas or set days, make minced pies, dance, play cards, or play on any instrument of music, except the drum, trumpet, and Jewsharp.

No gospel minister shall join people in marriage; the magistrates only shall join them in marriage, as they may do it with less scandal to Christ's

church.

When parents refuse their children convenient marriages, the magistrate

shall determine the point.

The felectmen, on finding children ignorant, may take them away from their parents, and put them into better hands, at the expence of their parents.

Fornication shall be punished by compelling marriage, or as the court

shall think proper.

Adultery shall be punished with leath.

A man that strikes his wife, shall pay a fine of ten pounds.

A woman that strikes her husband, shall be punished as the court directs.

A wife shall be deemed good evi-

dence against her husband.

No man shall court a maid in perfon, or by letter, without first obtaining consent of her parents: 51. penalty for the first offence; 101. for the second; and for the third, imprisonment during the pleasure of the court.

Married persons must live together,

or be imprisoned.

Every male shall have his hair cut round according to a cap.

NOTE.

The above laws were originally printed on blue paper, on which account they were called "blue laws."

Peter Prejudice's complaint of the taylor, who, instead of mending his old breeches, made him a new pair. *

Y Some time fince fent a pair of old I breeches to a taylor, in order to have them patched; as the breaches, both in front and rear, were very numerous, I was obliged to purchase a considerable quantity of cloth wherewith to mend them. Well, fir, what do you think the taylor has had the affurance to do? Why, after detaining my breeches upwards of four months, he has prefumed to return them unpatched, and has also fent a new pair, along with them, and a meffage, " that upon examining the old pair he had found them fo rotten, that they were not worth mending, nor could it be eafily done; that he had also found that the cloth fent for that purpose, was sufficient to make an entire new pair, much better than the old ones had ever been, which he had done accordingly, and hoped for my approbation of his conduct." He added moreover, " that if upon trial, they should happen to pinch me in any part, he had left a sufficient space for outlets at evey feam."

evey feam."

Oh height of infult! faid I, on receiving this arrogant meffage; what has this fellow done! a confipracy! as confpiracy! as fure as I'm alive, the traitor, his journeymen, and apprentices have meditated the ruin of my old breeches, and confpired against the liberty of my thighs, knees, and loins, which they have infidiously attempted to confine and cramp by

NOTE.

* For the information of European readers, it may be necessary to mention that the old breeches allude to the old articles of confederation—the quantity of cloth to the powers granted the late convention, &c. &c.—C.

palming this " gilded trap," the new breeches, on me: " curse on the villains!" they have conspired to lay restraints upon my free-born members, which are utterly incompatible with our republican form of government! here indignation choaked my utterance. My dearly beloved spouse and my little children were all gathered about me by this time, to know the cause of my anger. It was, however, a confiderable while before the boiling madness of my rage was fufficiently calmed for me to give them the information they defired; but my heat being somewhat allayed, I at length deigned to answer their

interrogatories.

Well, my dear, (faid my fweet partner) I think you are under many obligations to our good neighbour the taylor, who has rendered you very important fervices on former occafions; and has certainly confulted your interest in this business; for my part, I highly approve of his conduct; and am pleased that he has made you these pretty new small clothes (for she does not like to fay breeches) to hide your nakedness, and defend you from the inclemency of the weather. Sure you know how you have been laughed at, wherever you went, this long time past on account of your old pair, which the neighbours all fay, are no better than an Indian's breech-clout; I protest my own modesty has been often put to the blush by the holes in that plaguy old pair. My lovely tormentor was about to proceed in her condemnation of the old pair, and her praises of the new-Hold! hold! faid I, let us reason the matter fairly. In the first place, he has difobeyed my orders, which were only that he should repair the old breeches. But has he not made a new pair much preferable to the old? By no means, I replied; these cursed new breeches would utterly ruin me; they are calculated to enflave my thighs,

to confine my waist, and totally to destroy the liberty of my knees, by buttoning tightly around them: they will also render a considerable part of my hose totally useles, by buckling below my knees; nor is this all, they will imprison my semoral parts, nor suffer them to enjoy fresh air as the old ones do; to be brief, they are too long and too short, too strait and too avide, they would pinch me in all parts, and sit me in none.

Methinks you reason very strangely, my love (replied my folicitous advocate for the new breeches, who was now joined by all the children): your argument, against being under the restraint and confinement of clothes, is only calculated for a circle of favages, and can never have any weight among civilized and focial beings; your objection to the want of breaches in the new pair, for admission of fresh air, is an excellent argument in their favour, and fhews that they are well calculated to skreen you from the inclemency of the feafons; your concluding objections are so inconsistent and contradictory, that they fall to the ground without any comment. Further, continued the, if they have faults, you know the taylor fays they can be eafily amended; would not you do well, therefore, to put them on, in order to ascertain their faults truly, and I shall have no objection

No, no, faid I, "don't think to catch old birds with chaff." I'm determined never to draw them on, unless the amendments shall have been first made. Here again I was replied to—how in the name of goodaess, faid she, can you undertake to have amendments made, before you know that the parts you would wish to have amended, are indeed faulty! By such preposterous doings, you might spoil their best parts; but would have no

to the necessary alterations being

made in them?

rolerable chance of even amending one fault; therefore, I beg you may first try them on, that you may be enabled to discover their faults with precision. Do, papa, do'try on your new breeches, exclaimed the children with one voice.

Hush! hush! faid I once more: I believe the woman and children are all crazy! Do you think I am fool enough to be gulled thus! If I should put them on, how shall I be able to get them off again? I have no fecurity that they will not cling to my ikin, tear away my flesh, break my bones, and broil my marrow, like Hercules's poisoned shirt, which infidiously destroyed him. And all this must be borne, without the liberty of even remonstrating against the tyranny of these accurled "consolidating" breeches. I fav confolidating; for they are evidently calculated to supersede the use of every other garment; or at least to " melt them alk down into one" general garment; and the taylor certainly intended this to he the cafe. Do they not already exhibit a specimen of their despotism, by being framed fo as to "lord it over" a confiderable part of my flockings and shirt? And is it not more than probable, that they would, very speedily, encroach upon the prerogative of all my clothes; nay, that they would even extend their Iway to my head, and, by closing my mouth, prevent me from expoftulating against my " cruel task-masters?" With these over my face, for a mask, I should appear no less ridiculous, than a modern fine lady' with her head in a calash, or in a fashionable bonnet.

Here the whole family burst into laughter, and the dispute ended for that time. I have reason to expect another attack on the same score shortly; for my wife is exceedingly fond of the new breeches, and is supported by all my neighbours in

her controversies with me on this subject. As I am nearly exhausted, I will be much obliged to any of your correspondents who will be so condescending as to favour me with a fresh supply of arguments, sufficient to repel those of my spouse in our next rencontre.

PETER PREJUDICE.

Objections to the proposed plan of government for the united states, ou genuine principles.

T a meeting of the wheelbarrow fociety, in the prifonyard, Philadelphia, February the 8th, 1788, present fifty-eight members;

JEM. DORDAN in the chair:
After mature discussion, the society
unanimously agreed in the following
FUNDAMENTAL PRINCIPLES.

rift. Pure natural liberty is the right of every man to do what he pleases, without controll, and to possess, without retribution, whatever he can acquire by valour or address.

2d. States or fovereign powers are as individuals in a state of nature; and therefore true political liberty, or the liberty of a state, as a body politic, is the right of that state, or of those who are in the possession of the sovereignty thereof, to do such things, and enact such laws, as may be thought conducive to the advancement of the powers and interests of that state, or of the government thereof, uncontrouled by the artiscial system of restraints, known by the name of the laws of nations.

3d. All fystems of government, whether operating on states or on individuals, although oftensibly formed and specially declared to be for the establishment of general justice and of general good, are, in fact, systems of coercion, restraint, and oppression, and ought to be abhorred by the true

fons of freedom, as invasions and abridgments of their natural rights.

4th. Whereas, in the present imperiect state of things, true natural liberty, as defined in our first fundamental principle, cannot be universally enjoyed, necessity inforces a submission to what is called government, under some form or other.

5th. According to the foregoing principles, that form of government is the best, which contains the sewest restraints, and leaves in the hands of the governed the greatest portion of natural liberty, and the fullest scope for the exercise of personal prowess and natural ingenuity; it being demonstrable, that if the component parts of any society are lest free, and become, by any means, rich and happy, the whole of that society shall be free, rich, and happy.

6th. The worst of all possible governments is that, which, by the vigorous operation of general laws, and a complication of internal checks, restraints, and regulations, prevents individual states or persons from securing their separate interests in their own way; most wickedly sacrificing the emolument of individuals to what is called the glory and prospe-

rity of the whole.

These fundamental principles being established, the plan of government proposed by the late general convention for the united states was taken up, considered by paragraphs, and compared with the doctrines laid down; and after some debate, the following resolutions were unanimously adopted, viz.

1st. Refolved, that the constitution proposed for the united states, is a consolidated government, pregnant with the seeds of coercion and restraint, and therefore a system of

tyranny and oppression.

2d. Refolved, that under fuch a government, neither states nor individuals can do or refuse to do what they

please, in all cases, which is a direct infringement of the natural liberty of both, as defined in our first funda-

mental principle.

3d. Refolved, that under fuch a government, men of education, abilities, and property, commonly called the well born, will be the most likely to get into places of power and trust, to the exclusion of a large majority

of a contrary description.

4th. Refolved, that as this conflitution most arbitrarily and inhumanly prohibits the emission of paper money, and other resources, by which the unfortunate debtor may throw off the discouraging burden of his obligations, it ought to be considered, as in fact it is, a system of tyranny and oppression, compelling citizens in many instances to do things extremely disagreeable, and contrary to their interest.

5th. Refolved, that under fuch a government, the industrious and wealthy may enjoy their property in fecurity, to the great injury of those

who have no property at all.

6th. Refolved, that under fuch a government there will be no encouragement for gentlemen of adventure and addrefs, to procure fublishence and wealth-by extraordinary modes of acquirement, because what is called the vigour of law will pervade the whole union.

7th. Refolved, that the government proposed, is consonant with our fixth fundamental principle, and the worst of all possible governments;

and therefore,

8th. Refolved, that the members of the late general convention, who framed, veted for, and recommended this plan of government, and all flate conventions, who have, or shall hereafter adopt and ratify the same, and all those individuals, who, by word of mouth, by writing and publishing, or by any other means, shall express their approbation of the said infa-

mous conflictution, are, and ought to be confidered by all the true fons of liberty, as demagogues, ariftocratics, conspirators, traitors, tvrants, and enemies of the natural rights of mankind.

oth. Refolved, that as we are the most numerous and respectable body that have as yet combined, formally to avow and publish a disapprobation of this new constitution, it is sit and proper that we should be regularly organized, that other worthy malcontents, in this and the other states, may, by affociation or election, be annexed to our community, and so make up a union of strength, to oppose the establishment of this tyrannical government: therefore,

10th. Refolved, that we will now proceed to the election of a prefident, vice-prefident, and fecretary.

Whereupon, the ballots being fairly taken and counted, flood as follow:

For the PRESIDENTSHIP.

For the author of the pieces figned CENTINEL, - 51 votes.

For Jem. Doran, - 5 For Arthur M'Garity, 2

VICE-PRESIDENT.

For L—M—efq. of Maryland, - 47 votes. For Daniel Cronan, 8 For Pat, Dalton, - 3

SECRETARY.

For the author of the pieces figned Philadelphiensis, 30 votes. For Kit. Carbery, 28

The following members were then appointed a committee of correspondence, viz. Jem. Doran, Arthur M'Garity, John Doughty, Pat. Dalton, Daniel Cronan, James Bulger, and Kit. Carbery, to hold communication with the late adherents of general Shays in the state of Massachusetts, and with other worthy opposers in the several states.

The fociety directed that these

their proceedings should be made public; and then resumed their daily occupation of cleaning the streets and common sewers.

Ne futor ultra crepidam.—Cobler, stick to your last.

I Was led to the following reflec-tions, by accidentally falling in company, fome evening fince, with a number of characters (chiefly mechanics) at an ale-house, who were making abfurd comments on the constitution proposed by the general convention; which convention was composed of the greatest and most enlightened characters in this country. It must be considered, that government is a very abstruse science, and political difquifition a very arduous task, far beyond the reach of common capacities; and that no men, but those who have had a liberal education, and have time to study, can possibly be competent to such an important matter, as the framing a government for fuch an extensive country, as is comprehended within the united states. Whenever men of neither abilities or education, prefume to meddle with fuch matters as are above the reach of their knowledge or abilities, they will find themfelves out of their proper sphere.

The blacksmith will find that he had better attend to his hammer and anvil, and hammer out hob-nails, for country hoof, than concern himfelf with affairs of state; should he be weak enough to suppose that he has abilities equal to such an undertaking, he will find, that there is a material difference, between welding together two pieces of steel or iron, and that of uniting heterogeneous and jarring interests, so as to make them productive of the public good.

The mariner may very well un-

derstand how to take an observation, and navigate his ship; but he cannot possibly be acquainted with every point of the political compass, or so to steer the ship of state, as to avoid the hidden and dangerous rocks and shelves, that may lie in the way: and whenever he makes the attempt, he will undoubtedly find himself out of his latitude.

The diffiller, brewer, and baker, may be perfectly well acquainted with the principles of fermentation, and how to regulate and check the fame, fo as to answer their particular purposes: but they must be entirely ignorant of the laws and means that will be necessary to prevent a dangerous fermentation in the community, or what steps it may be necessary to take, to check such fermentation, when excited.

The farmer may have a sufficiency of knowledge to guide and govern a plough, and team; and understand the best method to thrash his grain: but he must be incompetent to the great purpose of guiding the machinery of the state, or to suggest the best and most effectual method, to thrash the enemies of his country.

The carpenter may be a perfect master of his trade, and understand the rules of architecture; he may frame an edifice, complete in all its parts, and sufficiently strong to secure the proprietor from the attempts of the midnight robber: but he will be totally ignorant, how to frame laws for the security of society, so as to prevent the artful and designing from preying upon the ignorant and innocent.

The miller may be a complete artift, in his profession, and know how to regulate every thing appertaining to his mill; he may understand extremely well, how to separate the flour from the bran; but he cannot possibly be master of the address, that will be necessary, to distinguish the

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wheat from the chaff, in the choice of officers, to fill the different departments in the state.

The clock and watch-maker may know very well how to regulate the wheels, and other movements of a clock or watch; but will be ignorant of the necessary art, how to regulate the complex machinery of government, and so to dispose the different wheels, as to prevent their interfering with, and bearing too hard on each other.

The mason may be an excellent workman, and understand how to law the foundation of an house or a wall properly: but he will be at a loss how to determine what base will be necessary on which such a superstructure as government should be erected.

The fadler may be a proficient in his business, and may know what kind of curb is proper to restrain an unruly and restive horse: but he cannot possibly be a judge what laws or curbs will be proper and necessary to restrain the unruly passions of men, so as to prevent their injuring one another.

The turner may be a very expert artizan: but he cannot possibly be acquainted with all the turns and windings, that are used by bad men to evade the laws, and escape the punishment which they justly deserve.

The cooper may know extremely well, how to ftop the flaws and worm holes in a cafk, and make it fo tight as to hold water, rum, or any other liquor: but he will be much puzzled to ftop the flaws, and worm holes in a law, fo as to prevent its operating, either to the injury of individuals, or the government.

The barber may know very well how to make a wig, to fuit either the prieft, physician, or gentleman of the long-robe, or how to shave his customer with dexterity: but whenever he attempts to meddle with affairs of state, he will find that his razors

E

have lost their edge, and that he is himself completely in the suds.

If this production should operate in such a manner, as to prevent people's neglecting their business, and meddling with public matters, heyond their capacities, it will be a sufficient compensation to the writer, who has no other object in view, than that of consining every man within his proper sphere.

HONESTUS.

Charge of his bonour the mayor of New York, delivered to the grand jury at the opening of the general fellions of the peace, for the city and county of New York, May 6, 1788.

Gentlemen of the grand jury,

THIS city, fince the restoration
of peace, hath been eminently
distinguished for order and tranquility—a blessing which can only accompany reverence for the laws.
Much is it to be lamented, that her
reputation has been so greatly sullied
by the late tumultuous and dangerous
riot. **

Those, who gave the provocation, have much to answer for, and deserve the odium under which they have Their misconduct cannot be palliated, by alleging that it was necessary, as a means of improvement in a useful science; since it is acknowledged that a few subjects are fufficient for all the purpofes of instruction; and that those might have been obtained without offence. Nor is it a justification, that no injury can be done to an inanimate corpfe mouldering into dust. We are to confider its effects with regard to fociety.

NOTE.

Men feem prompted by their very nature to an earnest defire that their deceased friends may be decently interred, and rest undisturbed in the grave. This is a fentiment which equally influences the enlightened citizen and the untutored favage. Who, indeed, without grief and indignation, could bear to have a tender connexion torn from the tomb, and exposed to the process of diffection? To fay that it would not be felt as an injury, must bespeak an ignorance of the human heart. It is a groß trefpass upon the rights of those to whom the cemetery belongs, and actionable.

With respect to the public, as it has a direct tendency to excite animosity, discontent, and revenge—and as it is indecent and contrary to those good manners, which are essential to the well-being of every community, it is criminal, and punishable in the ordinary course of justice.

To fuch a tribunal, it was the duty of the people to have submitted

the redress of this grievance.

But, by rushing into riot and violence, and obstinately persisting to the last extremity, even to occasion the shedding of blood, they have committed an offence, far more ferious and alarming than that of which they complained—an offence ftriking at the very foundation of all government and fecurity. To every civilized country, fuch an event would be a reproach: but how much more so to a land of liberty, where all power and office are derived from the people themselves-where the law, and not the will of the rulers, is supreme—and where it is emphatically the government of the very people, who attempt to destroy its influence, and render it contemptible?

If there should be no subordination or obedience, and no energy, or public virtue to vindicate and main-

^{*} For the rife and particulars of this riot; fee American Museum, Vol. 111. page 389.

tain rightful authority, what would avail the high privileges, for which, at every hazard, we have fuccessfully contended? What the best constitution, or the most excellent system of laws, though administered with the utmost purity? If, on every gust of patlion, individuals should be suffered to recur to acts of riot and revenge, all the bleffings we enjoy, must become precarious; every man in his turn might fall a victim to blind rage; and innocence itself, as we have lately seen, afford no protection. Besides, our maritime situation ought to rouse us to a peculiar sense of the danger of fuch convultions. As the feat of an extensive commerce, we are continually exposed to an influx of loofe strangers; who, having nothing to lose, eagerly join the throng, are foremost in mischief, and lead on to every act of desperation, without feruple or regret.

We are, therefore, under the higheft obligations to fet our faces against fuch excesses, and resolutely restrain them by all the means in our power.

Wherever licentiousness becomes habitual, that fociety must swiftly hasten to a miserable diffolution.

These are serious reflections, but they are sounded in experience: that it should ever be necessary to inculcate them from this bench, must give pain to all who love their country, or wish for its honour and stability.

An indifcriminate censure of the citizens at large, is not intended. It would be unjust. Great numbers, amidst these commotions, did their duty, and deserve praise. To those, who, shutting their ears against the most pathetic remonstrances, in open desiance of the magistrates, preferred the gratification of an extravagant resentment to the public good, they are but too applicable.

You, gentlemen, may probably think yourselves relieved from the

weight of inveftigating these offences. They have already employed the attention of a respectable grand jury, under the direction of the supreme court, which is just risen, and a difficience of their discernment or diligence, would be an ill return for the great pains they have exerted in a faithful execution of their office. I cannot therefore charge them as express subjects for your enquiry.

The principal object which I have in view, is to introduce an earnest recommendation that you will unite with your magistrates in enforcing on men, mifguided by unruly passions, the indispensible necessity of a more prudent, temperate, and dutiful conduct, that fuch outrages may never be reiterated, but remembered with abhorrence, and ferve as an example for their admonition; that medical students, who are culpable, may be taught to refrain from a practice which is in itself penal, and, in the public estimation, repugnant to humanity; and be fatisfied that experiments, only to be obtained by drawing down the hatred and contempt of their fellow citizens, are inconfistent with their true interest. as they are difgraceful to a liberal profession; that all may be convinced of the extreme danger and folly of arrogating, or fuffering others to arrogate the office of avengers; and that it is their dearest privilege, that it belongs only to the magistrate to punish offences, according to the known rules of law.

They will then entertain fentiments worthy of the citizens of a free republic. From principle, they will become watchful for the public peace, feeing how intimately it is connected with the common fafety and their own prefervation; they will become strenuous supporters of the laws, as their best birth-right, and they will wifely refer their wrongs to the tribunals of justice, appointed

to redrefs the injured, and punish the

guilty.

A complaint of a breach of the privileges of the minister of the united netherlands, residing in this city, hath been officially communicated to me, with a request that proper measures may be taken for his satisfaction.

As this is a new case, arising from our elevation to the rank of a sovereign republic, it will require expla-

nation.

The law of nations, which regulates the conduct of independent itates towards each other, protects foreign ministers and their retinue and domestics from arrest, even for just debts, and on processes otherwife legal. Their houses are also rendered inviolable. This immunity is founded on reason: for whatever is subject to the controul of laws. is dependent on the power by which they were ordained: but an ambafsudor ought to be independent of every power but that which he reprefents. It is easy to perceive, that on any other principle, the free exercife of his functions might be controuled, and his mission rendered uselefs.

In many of the nations of Europe, particular judicatories are appointed to enforce in a fummary way, and by fevere penalties, the law of nations in this respect. Until the reign of queen Anne, we find no instance recorded in England of the violation of this privilege. At that period, the ambaffador of Peter the great, czar of Muscovy, was arrested for a debt. The affront was highly refented, the czar requiring that the sheriff and all concerned in the arrest, should be punished with instant This demand could not but be rejected: it was not only fanguinary in itself, but there was no law to justify a compliance.

On this occasion, effectually to prevent such aggressions for the suture, it was enacted by the statute of the 7th Anne, ch. 12th, that all persons concerned in any process, which might entrench upon the immunities of a foreign minister or his domestics. fhould, on conviction, before the chancellor and chief justice, by confession, or the oath of one witness. be deemed violators of the law of nations, and disturbers of the public peace, and fuffer fuch penalties and corporal punishments as that tribunal should think fit to inflict. But although the common law of England, which recognizes the privileges of ambassadors in their full force, is expressly adopted by our constitution, this statute can have no operation here, having never extended to us before or fince the revolution; nor hath any provision been made on this fubject, either by the congress of the united states, or our own internal legislature.

I have taken this notice of the statute of Anne, to meet an opinion which has been entertained, that an infringement of the privileges of an ambassador is subject to the penalties which that statute prescribes.

I proceed to state the circumstances of the complaint, and the law

which arifes upon it,

It appears in proof that not long fince, one James Van Antwerp was retained as a coachman in the fervice of the minister of the united netherlands. Shortly afterwards, near the minifter's door, and while bufy in his fervice, he was arrested for a finall debt by one of the constables, on a warrant which had been iffued by a magistrate before such retainer. Van Antwerp apprized the constable that he was the minister's servant; and infifted on his privilege of exemption from arrest. He was, neverthelefs, purfued by the constable into the minister's house, and even to the door of his library, an apartment in the fecond story. Here the conflable feized Van Antwerp by the collar, and, though repeatedly forbidden by the minister, violently dragged him down the stairs, and treated the minister himself personally with outrage and insult; and finally, the interposition of a magistrate was necessary to restore order, and rescue the prisoner out of his hands.

This is the nature of the case: and statisfaction having been formally demanded, it is become a subject of national concern: you will therefore find it your duty to give it a sull and

candid discussion.

The facts being proved, the manner and degree of punishment will depend on the common law-the crime, on the law of nations, which, as I before observed, is adopted by the common law. The arrest will then be deemed an unauthoritative and illegal act, and confequently false imprisonment, and an affault and breach of the peace, aggravated by the violation of the privileges of the minister, and the wanton insolence which accompanied it, and in this view, it will be indictable, and on conviction punishable by fine and imprisonment.

Gentlemen,

Notwithstanding the supreme court is fo lately rifen, besides those of an inferior degree, three capital crimes will fall under your confideration, to wit: passing counterfeit money of the emission of this state, burglary, and grand larceny. The first is an offence which hath prevailed to fo great a degree, as to subject the citizens to innumerable frauds and even to threaten the credit of the paper medium; and yet, though uncommon pains have been taken, it has hitherto been impracticable to restrain it by examples of just severity. The detection of the counterfeit paper happens daily; but the guilt of this crime lies in the scienter; that is, the previous knowledge of the person who passed the

bill, that it was counterfeit; a fact extremely difficult to be proved. This being the criterion, you will have it carefully in view. The mere patting counterfeit money can be no offence. Such is the proficiency in this pernicious art, that it frequently imposes on men of differement, and much oftener on the incautious and illiterate, in spite of the purity of their intentions.

Burglary also is a heinous offence, from the terror which it naturally inspires, and the fatal consequences

to which it leads.

It consists in breaking and entering into a mansion or dwelling-house by night, with intent to commit a selony. In prosecuting your enquiries under this head, four circumstances call for attention—the time—the place—the manner—the intent. 1st, 'The act must be committed in the night time. If there be sufficient light to discern a man's countenance, there can be no burglary; but this does not extend to moon-light, however bright and luminous.

adly. It must be committed in a mansion or dwelling-house, and not in a warehouse, stable, or the like; for there midnight terror cannot be inspired; yet if the warehouse or stable are part of the mansion-house, though not under the same roof, a house are many the committed.

burglary may be committed.

3dly. There must be both a breaking and entering. To take out or break a glass, open a window, pick a lock, or open it with a key—even to lift up the latch of a door, or unloofe any other fastening—to come down a chimney—to knock at the door and rush in—any of these is a breaking, in the sense of the law.

4thly. The intent is carefully to be examined. To diffinguish it from a trespass, the breaking and entering must be accompanied with a design to commit a robbery, murder, rape, or other felony: whether they are actually perpetrated or not,

is immaterial.

The third capital offence is grand larceny, which is the felonious taking and carrying away the goods of another. And here both the taking and carrying away are effectial.

There is no other diffinction between grand and petit larceny, than the value of the things flolen; and this determines the degree of punishment. According to our law, theft, of more than the value of five pounds, is grand larceny; to that value, or

under, it is petit larceny.

One of the prisoners stands committed for entering on board a veffel fastened to one of the wharves, in the night time, opening the cabbin door, and taking and carrying away a trunk, containing fome wearing apparel and an hundred pounds in filver, belonging to one of the passengers. You will give the proper weight to a circumstance which materially distinguishes this enormity from a burglary, namely, that it was not committed in a dwelling house. If, therefore, there should be competent evidence of the fact, it is to be proceeded against as a grand larceny.

The sheriff's calendar, which will be handed to you, contains the names of the prisoners whose crimes 1 have described; some others are in custody, and stand bound by recognizance, to answer to accusations of an inferior degree. Such examinations and evidence as are in the power of the court, will be laid before you by the prosecutor for the people. I find nothing further at this time which requires our particular direction. If difficulties should arise, you will have the usual recourse to us for information.

iation.

Gentlemen,

Your charge, in general, is, to inquire into and prefent all offences committed within the body of this eity and county, which shall come

to your knowledge, from treafons down to trespasses. In executing this important truft, on which the due administration of justice so much depends, the folemn oath you have now taken, points out the conduct you ought to purfue, and the motives by which you should be influenced. While you prefent no man through envy or prejudice, let not the guilty escape through sear or favour. While you are ready to hear every real grievance, let no citizen be vexed by profecution for trivial matters, or on flender grounds. Act with becoming firmness, but with a calmness and deliberation fuited to the folemnity of your office; and, laftly, be not only impartial and dispassionate, but diligent in your enquiries, that, arriving at truth, you may be enabled to determine wifely and juftly; and thus, with the tellimony of a good confcience, receive the approbation of your country for your faithful fervices.

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WHEN lord Charles Grenville Montague raifed his regiment in South Carolinia, during the late war, to induce general Moultrie to accept of the command, and enter the British fervice, he wrote him the following letter:

SIR, March 11, 1781.

Sincere wish to promote what may be to your advantage, induces me now to write. The freedom with which we have often conversed, makes me hope you will

not take amifs what I fay.

My own principles respecting the commencement of this unfortunate war, are well known to you; of course you can also conceive what I mention is of friendship. You have now sought bravely in the cause of your country for many years, and, in my opinion, sulfilled the duty every individual owes it;

You have had your share of hardhips and difficulties; and, if the confest is still to be continued, younger hands should now take the tour from you. You have now a fair opening of quitting that fervice with honour and reputation to yourfelf, by going to Jamaica with me. The world will readily attribute it to the known friendship that has subsisted between us, and, by quitting this country for a short time, you would avoid any difagreeable conversations, and might return at your own leifure, to take polleffion of your estates for yourself and family. The regiment I am going with, I am to command: the only proof I can give you of my fincerity is, that I will quit that command to you with pleasure, and serve under you. I earneftly with I could be the inftrument to effect what I propose, as I think it would be a great means towards promoting that reconciliation we all wish for. A thousand circumstances concur to make this a proper period for you to embrace; our old acquaintance, my having been formerly governor in this province, the interest I have with the present commander, &c.

I give you my honour what I write is entirely unknown to the commander, or any one elfe, and so shall your answer be, if you favour me with one. Your's, sincerely,

CHARLES MONTAGUE.
To brigadier gen. Moultrie.

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Ansaver:

Haddrel's print, March 12, 1781.

My lord,

Received yours this morning. I thank you for your wish to promote my advantage, but am much surprised at your proposition. I flattered myself I stood in a more favour-

able light with you. I shall write with the same freedom with which we used to converse, and doubt not you will receive it with the same candour. I have often heard you express your sentiments respecting this unfortunate war, when you thought the Americans injured; but am now astonished to find you taking an active part against them—though not sighting particularly on the continent—yet the seducing their soldiers away, to inlist in the British service, is nearly similar.

My lord, you are pleafed to compliment me with having fought bravely in my country's cause for many years, and, in your opinion, fulfilled the duty every individual owes to it: but I differ widely with you in thinking that I have discharged my duty to my country, while it is still deluged in blood, and overrun by British troops, who exercise the most savage cruelties. When I entered into this contest, I did it with the most mature deliberation, with a determined resolution to risk my life and fortune in the cause. The hardships I have gone through, I look upon with the greatest pleasure and honour to myfelf. I shall continue to go on as I have begun, that my example may encourage the youths of America, to stand forth in defence of their rights and liberties. You call upon me now, and tell me I have a fair opening of quitting that fervice with honour and reputation to myfelf, by going with you to Jamaica. Good God! is it possible that fuch an idea could arise in the breast of a man of honour? I am forry you should imagine I have for little regard for my own reputation, as to listen to such dishonourable proposals. Would you wish to have that man, whom you have honoured with your friendship, play the traitor? Surely not. You fay, by quitting this country for a time,

I might avoid disagreeable conversations, and might return at my own leisure, and take possession of my estates for myself and family; but you have forgot to tell me how I am to get rid of the feelings of an injured, honest heart, and where to hide myself from myself. Could I be guilty of fo much baseness, I should hate myself and shun mankind. This would be a fatal exchange for my present fituation, with an easy and approving conscience, of having done my duty, and conducted myfelf as a man of honour.

My lord, I am forry to observe, that I feel your friendship much abated, or you would not endeavour to prevail upon me to act fo base a part. You earnestly wish you could bring it about, as you think it will be the means of bringing about that reconciliation we all wish for. I wish for a reconciliation as much as any man, but only upon honourable terms. The re-possessing my estates, the offer of the command of your regiment, and the honour you propole of ferving under me, are paltry confiderations to the lofs of reputation. No, not the fee simple of that valuable island of Jamaica, should induce me to part with my integrity.

My lord, as you have made one proposal, give me leave to make another, which will be more honourable to us both. As you have an interest with your commanders, I would have you propose the withdrawing the British troops from the continent of America, allowing independence, and propose a peace. This being done, I will use my interest with my commanders to accept of the terms, and allow Great-Britain a free trade with America.

My lord, I could make one more proposal; but my situation, as a prisoner, circumscribes me within certain bounds. I must, therefore, conclude with allowing you the free liberty to make what use of this you may think proper. Think better of me. I am, my lord, your lordship's most humble servant,

WILLIAM MOULTRIE.

To lord Charles Montague.

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Account of the aurora borealis, founded on Jeveral years accurate observations.

HE hypothesis, that the aurora borealis may be accounted for upon principles of electricity, is undoubtedly well founded. During the space of about seven years, I have carefully observed most of them which have appeared—in the three first years of this space, I know not, that a fingle one escaped my observation, and my committing, except in a few instances, every circumstance to writing; in which time, and fince, I have acquired the most palpable evidence that they are occasioned by electrical fire. It is, indeed, not very common that in the time of an aurora borealis, there should be feely many clouds—yet it fometimes happens that there are a few sheets of cloud passing in the northern hemifphere at the time—I have feen this happen-and feveral times feen, a fheet of cloud separate from others and pass, many degrees beyond the zenith, continually shooting electris cal fire from its skirts. This is to me the clearest evidence that the whole appearance is produced by electrical fire.

The only difficulty that has for fome years remained a defideratum to the complete investigation of the aurora borealis, is, why the appearance is ever invariably in the northern hemisphere?—my observation of concurrent circumstances has convinced me the reason is obvious. When ther the reason be sufficient to account for the phenomenon, the philofopher will judge.

Every one knows, that folids, with few exceptions, are electric, per fe, and that fluids are non-electrics. We are then only to suppose, that immediately before an aurora borealis, a foutherly wind blows, and it will account for the northerly appearance. A foutherly wind is ever charged with a large share of watry particles; these in their way to the northward are continually passing solids or electrics, per se-and so become deeply charged with the electrical fluid. And as the watry particles are, doubtless, of different magni-tudes, they will have different velocities: they will therefore become more and more dense until a congeries of vapour be formed, of different denfities and differently charged; it will then exhibit fomething of the dufky circle, and the fire will begin to shoot. If the wind continue at fouth, both these appearances will be but faint. Suppose then the wind, after blowing from the fouthward for feveral days, shifts to the northward twelve or twenty four hours before the appearance of the light; it then meeting the vapour in its passage from the southward, operates like the weaver's reed, and quickly condenses it to a thick congeries-the dusky circle will be thick, and the fire dart often beyond the zenith.

These suppositions, I find rendered facts by occurring invariably, during the feven last years from my date, excepting only that in a few of my first observations, I did no note the circumstance of the wind—and for a year or two back, supposing my theory established by observation, I have not been quite so attentive to every circumllance as in the former years. With these exceptions only, I obferve that for the time I have mentioned, every aurora borealis has been preceded by a foutherly windeither on the same day and continued at evening---the day before---or at Vol. 111. No. VI.

farthest on the third day back. This inclines me to suppose and believe the a foutherly wind over precedes the lights, and is the fole cause of their northern appearance. I am the more confirmed in the opinion, because the northern light in the time of the fouth wind blowing, varies to the eastward or westward as that does. and the largest appearance is ever directly opposite to it. I am so fully established in the opinion, that the fouth wind is the only cause of the northern appearance of the aurora borealis, that should one happen, and for many days before there were no fouth wind, which, however, I believe never takes place-it would not. Ithink, destroy my hypothesis. For I can conceive it possible, though not probable, that the vapour a fouth wind contains, may be composed of particles of equal magnitudes and equal velocities, with an equal charge of electrical fire. In such case, when the south wind ceases, if a calm for a few hours ensues, they may be driven back, for a considerable time, by a northerly wind, without forming a congeries, so that the fire can dart.

But it may be enquired, why every fouth wind does not produce an anrora borealis? I suppose it does, if it blows long, except it rain, for then the electrical fluid passes with the drops into the earth: but this fometimes happens in the day time, when the light is too feeble to be observed; or it may happen at too great a diffance from the observer; or I conceive he may be too near : in either cafe he would not perceive it; for I suppose it requires a given column of air to look through, of a certain thickness, in order that the light might be perspicuous.

It may be also enquired, why northerly winds do not produce the aurora borealis? The reason is, northerly winds are charged with but very little vapour; even a north-east wind,

until it begins to rain, is drying steen what of the fluid it receives, it conducts to the earth.

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To the general affembly of the state of Rhode island: the petition and memorial of the representatives of the people called quakers, in New England being met together in capacity of a meeting for sufferings,

Respectfully showeth,

THAT it is not without a real concern, that we again address you; having, lately witheffed your juit and favourable interpolition in respect to the iniquitous trade to Africa for flaves, which we as a fociety have for some time considered as, a national evil, tending to draw down the divine displeature: but being fully persuaded that the same principle of truth and justice, together with a defire for the preservation and welfare of our fellow citizens in general, confirain us, we hope it will not be deemed unscasonable to lay before you our concern, and to recommend to your ferious consideraveral laws of this state, which we apprehend are, in their present opera-tion, not only inconfishent with the principles of justice and good government, but also with the best senti-ments and feelings of your constituents, and our fellow citizens in general.

As the act which makes the paper currency of this flate, in its prefent depreciated value, a tender at par in payment of jult debts, has been found inadequate to any valuable purpose of supporting its credit; whatever landable intentions any may have had in promoting the faid act, we apprehend they can no longer operate for its continuance, which now mult be accompanied

with the painful fensations arising from a prospect of njury to many perhaps rum to some; who being incapable, or unwilling, to avail themselves of like advantages, look up to the legislative body for protection and rearess, in affording which we apprehend your reputation and dignity at this time deeply interested.

The act which makes youd notes

The act which makes void notes and book accounts, that are not fettled within two years from the patfing the fame, we also apprehend to be of the same nature with the other,

We therefore respectfully intreat your candid and serious attention to the aforesaid laws, which we have reason to believe are now considered as real grievances by your constituents, and if continued in force, will prove a wide and stall door of injulice and oppression, on the one hand, and depravity and corruption of inorals on the other. And that you in wisdom will see meet to repair the same, or make such amendments as will effectually prevent the mischiefs resulting therefrom.

Signed in and, on behalf of the representatives aforesaid, at a meeting for sufferings, held atProvidence, for New England, the 25th of the 2d month, by
THOMAS ARNOLD, clerk.

[N.B. The above petition was rejected]

-600- A rivid

Speech on the learned languages, written by the hon. Francis Hopkinson, and delivered by a young gentleman at a public commencement in the university of Pennsylvania.

Ladies and gentlemen,

I AM fentible of the danger and difficulty to which an oraco must expose hinself, who boldly ventures to oppose public prejudice, and contradict established opinions; and yet, without this literary heroism, philo-

fophic truth had never been brought. With respect to the full, I venture to light. A rigid adherence to doc- to affert, and think it will hardly be trines generally admitted, would have fixed us at this day in the errors of ancient philosophy, or have left us involved in the whimfical vortices of the more modern Descartes. The generality of mankind receive for truth whatever may be handed to them as fuch by those whom they are taught to esteem as men of profound learning. They are not anxious to enquire for themselves; because enquiry is replete with trouble; and it is much easier for them to adopt the opinions of others, than to form opinions for themselves. But woe to the man, who attempts to unhinge the popular fystem. Galileo was persecuted and imprisoned for afferting that the earth revolved on its axis; and was compelled publicly to renounce a truth, of which he was fully convinced, and of which there is now no doubt remaining.

These preparatory observations I thought necessary, as an apology for the manner in which I proposed to handle the subject assigned to me-to wit- "The use and advantages of what are called the learned languages in the education of youth" these advantages ought, indeed, to be very great and manifest, to compenfate for the precious time spent in acquiring them. Let us, for a moment, lay alide former prejudices, and confider the subject with candour and im-

partiality. -The benefits to be expected from the fludy of the dead languages, mult, I think, flow from some or all of the following fources. It must either open a door of knowledge, to which there is no other means of access; or will polish the manners and enrich the mind with ideas not other-twife to be acquired; or will ferve as fa key to all other languages, and become the vehicle of universal communisation of visual que star of the

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controverted, that there is no ancient author, Latin, Greek, or Hebrew, philosopher, hillorian, or poet, b of any reputation, whose existing works have not been translated by able hands into most of the modern languages of Europe. So that there can be no knowledge contained in those productions to which the reader of the present day may not have access, by the easy means of his native tongue. The treasures of the ancients have been minutely scrutinized, and every article of value held up to public view. and faithfully reflected from the mir-

rors of modern languages. Neither can I see, in the second place, how an acquaintance with the Latin, Greek, or Hebrew tongues. should necessarily polish the manners or enrich the mind with ideas not otherwise to be acquired. Is there an inherent magic, a supernatural fecundity in those ancient languages? which modern modes of speech can? not boalt? - When a plain man reads in his bible these words--- "In the beginning was the word, and the word was with God"---has he not the fame ideas suggested, and an equal comprehension of their meaning with the learned scholar, when he reads, in loftier tone-'Er apan no a hoyes, zace devos un mos von Oson; Surely there can be no difference. As to polithing the manners--- a minute and technical knowledge of the learned languages hath an effect fo notorioufly to the contrary, that to call a man amere scholar, is as much as to say he has no manners at all. But perhaps, languages, like medals, acquire a value merely from their anriquity; if so, we ought to establish schools for teaching the Chinese tongue; which is certainly more tongue; which is certainly more ancient than either Latin or Greek, and, as some say, than even the Hebrew itself -- look where we will forthen now and be east. a diffinguished pre eminence in those dead languages, such as may justify the great expense of time and study necessary to acquire them, and candour must acknowledge, that such pre-eminence is not to be found.

But, fays the third polition, they ferve as a key to all modern languages, and may become an univerfal means of communication. only purpose of language is to convey ideas: if modern speech does this, it is complete: if it does not, it is no language. What necessity then for a key? when a person says a house or a man, is he not as well understood, as if he should add, that the one was called domus, and the other-homa, by the ancient Romans? terms are altogether arbitrary, and general consent alone adapts them to the things they are defigned to represent : and furely, the general confert of the moderns is as respectaable and valid, as the general confent of the ancients. The truth is, there is no natural connexion between words and things. If fuch a connexion was to constitute the perfection of a language, we must acknowledge, that the infant excels in propriety, when he calls the fheep baa, or a dog bow wow. But the Latin tongue, it is supposed, may ferve as an univerfal means of communication between people of different nationstrue-and fo may any other language, bif generally admitted and taught. The Latin tongue does not feem to be peculiarly and exclusively adapted to this purpose. For, notwithstanding that it has been inculcated with fo much alliduity by innumerable private tutors and public institutions, for so many hundred years, yet the French is, at this day, a more universal language than the Latin. The experiment has been fairly made, and urged to the extent; yet but few people write in Latin, and sewer still use it as a medium of

conversation. As to the Greek, it is in fashion no where but in the schools; and none but Jews make use of the Hebrew. To what purpose, then, are so many years spent in acquiring these obsolete languages?—To what purpose?—A short story will answer this question.

The celebrated mr. Rowe went one day, to pay his court to the earl of Oxford, then lord high treasurer of England. The earl asked him if he understood Spanish ? Mr. Rowe acknowledged he did not : but imagining that his lordship might intend to fend him into Spain on some honourable commission, he added that he did not doubt but in a short time he might be able to understand and speak it. The earl recommended it to him to do fo. Whereupon inr. Rowe took his leave; and, retiring into the country, applied himfelf industriously to the study of the Spanish language. After which he again waited on the earl, who asked him, if he understood it thoroughly? -mr. Rowe answering in the affirmative, the earl exclaimed-how happy are you, mr. Rowe, that you can now enjoy the pleasure of reading Don Quixote in the original!

How happy is the Latin scholar, for he can read Virgil and Horace in the original !

An observation or two on the method of teaching these learned languages shall close my speech on this occasion, which, I perceive, some think is already longer than it should be.

It might feem strange to affert that few teachers of a language have any taste for its beauties—and yet the case too often occurs in fast. Accustomed, as they are, to treat it by detail, and hackned in a critical consideration of its component parts, they almost unavoidably lose all sense of its general resset, and

become frangers to that spirit of ex- discover the nature and seat of the prellion in which its principal elegance confifts. For the same reason, the pupil never acquires a true taffe for the learned, languages, till long after he has been emancipated from the shackles of grammatical investigation. To teach a language by means of its grammar, is beginning at the wrong end; for-no language ever originated in a grammar. All the spirit of a language must necesfarily evaporate in a grammatical construction-let us take an example from our own tongue—fuppose the following patlage from Pope to be put into the hands of a boy, learning English-

"Heav'n first taught letters for some

wretch's aid,

55 Some banish'd lover, or some cap-

tive maid:

66 They live, they speak, they breathe what love inspires,

66 Warm from the foul, and faithful to its fires :

16 The virgin's wift, without her

fears, impart; Excuse the blush, and pour out all

the heart; 56 Speed the foft intercourse from soul b to foul,

And wafe a ligh from Indus to the

rot pole; l'

Forthwith the learned grammarian and his industrious pupil fall to work on these beautiful lines. They mince them, without mercy, into everbs and adverbs, nonns and pronouns, substantives and adjectivesgerunds—participles—articles—and particles—and God knows what. But in this general lasceration, what will become of the melody of the verse-the delicacy of sentimentthe elegance of expression-with a thousand nameless graces, not defi-ned in the rules of grammar?-alas! all would vanish in the scholastic process. As well might an anatomist foul that animates it, as a gramma-h rian, to invelligate the powers of a language, by resolving it into its component parts. But what would the author fay, could he be a witness. of fuch a chemical distillation of his charming lines ?-or what would's Horace do, if he could be present in a modern school, and hear one of his elegant odes frittered into all the small ware of the syntax ?-what. would he do !-he would be disposed, to break the scholar's head, and put, the tutor to death.

But my zeal for truth is hurrying me beyond the bounds of discretion. The time may come, when teachers, will be convinced that languages are not to be squared by rule and compass, as lands are surveyed; and that it is not necessary to search antiquity for the means of a reciprocal communication of ideas, because languages most in use, are, in truth, the most

useful to be known.

-888-

Answer to the preceding speechwritten by the same gentleman as the former-and delivered by another student.

Ladies and gentlemen, MY fellow-student has entertain-ed you with a differtation on the learned languages, and added fome strictures on the method of inculcating them in modern schools, He has handled the subject in his own excentric way, and has, I doubt not, obtained from this candid and polite audience, all the credit his ingenuity deferves. But ingenuity is not truth; and false reasoning, however varnished with wit, is false rea-foning still: I shall not attempt to imitate my friend in the vivacity of his style; but he must excuse me if I endeavour to expose the fallacy of diffect a living body, with a view to his arguments, and refeue to confide-

rable a branch of modern education from the objecty his captiquous humoun hath been pleased to throw upon in: Havingmyfelf been duly fermented with grammatical froth-kneaded and moulded by the discipline of the schools-baked, and, as it were, p.oing hor from the classical even-and encrulted with science, can I hear these flinders on the learned languages, which I have been for long accultomed to respect, and which I have acquired with to much paintul dudy. and yet fit filent by ?-no !- the hre obuid Rome, and the spirit of Athens, will mut brook fuch indignity.

- The first affermon, and indeed the ground on which he chiefly rells, is that all ancient authors of any repute have been translated into modern languages; from which he inters that the originals are of no further use. He might as well have faid that because a shadow projects the true outlines of the hibitance, it is of equal value, and will answer the same purposes. There are numberless beauties to be discovered by a scholar, and a force and propriety, ariling from what as called the idiga of a language, which no translation can convey; not only this, but the real meaning of the author, even in the original, is, in many inflances, not easily ascertained by the learned themselves. How then shall it be found in a translation? To prove this, we need only look at the voluminous notes upon Horace, or the the most profound scholars have differed in opinion, and about which they have disputed, confuted, and resuted each other, time immemorial -- and the matter is as far from decision as ever---what delightful obscurity ! what glorious uncertainty! will a translation furnish any thing like this?: furely not. The terms of a known language are too, well underflood to admit of much altercation-

all is a dead and languid precision.
The system, the doctrines, the arguments throw upon ments of a modern author may be duly fermentable. The seaded his meaning; if he has any meaning at all.

The great and excellent use of the learned languages confists, in my opinion, in the two following crecumstances:

First, they afford the moderns an inexhall be source of ingenious altercation and profound conjecture and.

Secondly, by deriving the technical terms of every science from those languages, a invilorities obtained, which throws a veil over the sace of truth, and screens the rays of knowledge from vulgar eves.

As to the first in the various readings of ancient authors, in notes, critical and explanatory, and in notes upon those notes, what a field is opened for profound erudition ! and when the modern commentator finds himself hard pressed, it is bu supposing an error to have crept into the text-it is but altering a letter or two, as occasion thall require, and he can make the original support his comment, with all the feeming rea-fon in the world; and however and ther modern critic may diffure the prize with him, he is fure that the author himself will never come back to decide the contest, An obscure sentence will furnish a literary feall; and one half part of a long Greek or Hebrew word, has been sufficient to occasion a schism, and give the world a

new religious left.

I know of no modern author for rich in this kind of learning as Shakespeare---he wrote on the verge of the old and modern English; and has so blended the idoms of the writers of his day with those of their grand athers, as to occasion much delightful uncertainty, and ingenious

commentating---this, together with works have been handed to us, has afforded a glorious opportunity for guess work-and Warburton, Theobaid, Johnson, and many others have exercised their talents accordingly.

godinar b m!

But I hasten to the second advantage I mentioned, as peculiar to the dead languages, to wit-that by delearned sciences, a mysterious obscurry is obtained, which throws a veil over the face of truth, and screens the rays of knowledge from vulgar

When the barbarous nations of the north over-ran Europe, they obliterated almost every trace of scicuce. A few monks only were in pollellion of the feeds of learning contained in the remaining works of ancient authors: when the day of knowledge again began to dawn, there manufcripts were in great repute; and when printing was invented, copies of them were exceedingly multiplied. As these were, then, the fources of science, no man was esteemed learned, who had not studied the languages in which they were written; and lo Greek and Latin became almost the only avenues to knowledge: fuch was the use of the learned languages at that time. Very different, but not less important, is their use at this day; by means of repeated translations, the treafures, of the ancients have been laid ogen to public view. Science, divelled of nivilery, would lose its value, and men of learning forfeit that respect which the vulgar owe to profound erudation, were it not that the philosopher, the scholar, the man of science in every department, hath taken care to borrow a profusion of technical terms from the learned languages, which throw mantle of myllery over his profeltion, and cover the fecrets of his

art from the admiring multitude. So that modern learning confilts, not to much in the lludy of things, as in the knowledge of terms. For, as the author of Hudibras observes,

All a rhetorician's rules

Teach nothing but to name his tools. And for it is in every science--and fo it ought to be; for, if it were otherw le--- if the terms used by men of learning were given in the vulgar tongue, every body would underlland them, and science soon become contemptible. For inflance, a grave and learned physician thus informs his patient -- "fir, your diforder is an anthrax; and I thati preferibe an emothent cataplasm?--the poor man is filled with tear, wonder and respect. But should be tell him, in plain English -- " you have get's boil, and mult apply a poultice of bread and milk" --- the patient would despife the doctor and the afcase and It is the Greek and Latin languages

that furnith thefe high founding words: fo'delightful to the ear when the fense

is concealed.

Sounds have a fingular effect pron the human mind-especially articulated founds : and the effect is still more certain when thefe founds enher have no meaning at all, or are not understood-an ignorant woman weeping aloud under the influence of a powerful preacher, was alked the cause of her lamentation-don't you hear, faid the, those charming words --- Mesopotamia, Pamphylia; and Phrygial And I knew a lady during the war, who did not possels one political principle, or had any precise idea of the real cause of contell between Great Britain and America; and yet was a professed and confirmed tory merely from the fascination of founds: the imperial crown -- the royal roves -. the high court of partiament -- the lord chancellor of England .-- and it on --- were words of irrefillable infineence: while captain A. the taylor. colonel B. the tavern-keeper—and even general Washington, the farmer, only created contempt. But, I am persuaded, if some Indian chief, with a long Cherokee or Mohawk name, had commanded our armies, she would have thought much more respectably

of the American cause.

This being truth-and a truth founded in nature-will any one pretend to say that the Greek and Latin languages are of no use?—What! shall we call things by downright vulgar English names? Shall not the physician have his paregories and antispasmodics, his lenitives and sedatives, his antiphlogiftics, cathartics, and diuretics? shall not the lawyer have his fieri facias, scire-facias and certioraris? Or the divine his latisudinarians, millenarians, sublapfarians and fupralapfarians?—Shall the chymist give up his hard words, and the botanist his technical terms. in which indeed his whole are confifts P. -Deplorable will be the state of erudition when this shall be the caseknowledge, indeed, might increase, and become more generally diffused; but tearning would be no more-we might then fay-fuch a man is a man of genius, of wildom, of understanding :- but where should we find the man of profound erudition-one who would fourn at the fimplicity of nature's works, and plunge in system deeper than common sense could ever fathom? But, thanks to our univerfities, colleges, academies, and schools---or rather, thanks to the learned languages which they fo laboriously and industriously inculcate --- fuch an era, it may be prefumed, is yet far distant.

Address to the honourable the members of the convention of Virginia, by Tench Coxe, esq.

(Continued from page 432.)

THE length of the address I had lately the honour to make you. lately the honour to make you, rendered it inconvenient at that time to bring before you some further confiderations, which appear of importance. The situation of your eastern shore counties is a matter that should be ferioully confidered, before you determine to reject the proposed conflitution. Should Virginia decline the new confederacy, the good people of Acomack and Northampton will find themselves separated from the rell of the state, by a great bay, larger than the entrance of the Mediterranean, which divides Africa from Europe; while the adjoining flate of Maryland is dillinguished from them by a mere imaginary line. The eastern shore of Virginia must be at this time exceedingly connected with the lower counties of Maryland, by blood and marriage, and by a variety of buliness. They would be particularly exposed to the fleets of the union and of foreigners, were they not to join the new confederacy; for their fituation is almost infular, the length of the boundary line, dividing them from Maryland, being but four-teen miles. Whether they would remain with Virginia under these circumstances, or muite with Maryland and the union, feems a quellion deserving your serious reflexion. In confidering this point, you will recollect, that every member of the Maryland convention for the eastern fhore, and all the members of the Delaware convention, representing the body of the peninfula, were decidedly in favour of the constitution. You will also remember the inducements those counties would have, in the market for their produce, which, in the event of their being out of

the new union must be burdened with the impost that will certainly be laid upon all foreign articles imported. Similar considerations may influence other parts of your state to seede from Virginia, and cling to the

your state who expect to see manu: factures established in Virginia, it will appear of great consequence to them that you should be a part of the new confederacy; for if your workmen cannot vend their commodities in the other states without meeting the foreign impost, which will fall on all articles not; of the growth or manufacture of the union, it will operate exceedingly to difcourage them. Two circumstances within your command, promise more fuccess in manufactures, than might at first appear to be the case-your coal, which is yet peculiar to Virginia on the fea coast, an article highly important to a great number of manufactures; and cotton, which must be the great American raw material for piece goods. The shores of lames and Apoinatox rivers feem most particularly interested in these confiderations, tho' they are of real and great importance to the state at large.

The expected trade of Virginia with that fertile country between Potowmack and the lakes, together with your Indian trade through the waters of the Chio, would be loft, if your honourable house should finally reject the constitution. The waters of the Monongahela are indifpenfibly necessary to secure these advantages to you; but you will remember, the imposition of a toll and duty on every thing passing thro' that channel to and from Virginia, would turn the trade into another course. The new union would find its own interest in promoting the northern communications by the Sufquehanna and the Mohawk river,

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which flow through New York, Pennfylvania and Maryland.

Should you attempt to form a small confederacy, you would be confirmed to give up considerable points (some of them, perhaps, very injurious to you) to secure the accession of the sew states who might consent to come into it. North Carolina, for instance, should that state decline the proposed government, might insist on her paper money being introduced into the business of both states. Many other inconveniences of a like nature would certainly present themselves.

The treaties subsisting at this time between the united states and foreign nations will not continue in force with Virginia, if separated from the union. We may doubt whether they would be renewed with her, as the inducements she could hold out, alone, would probably be insufficient, and it is reasonable to suppose a connexion with any state, that should withdraw herself from the union, would be declined, at least for a time, by all foreign powers who might desire a connexion with the new confederacy.

The shock to public and private credit, both at home and abroad, that will be consequent on the rejection of the proposed government, will be most violent and dreadful. Every scheme of prudence and enterprize among our own citizens, every plan of adventure and establishment here, many of which are doubtless now in contemplation by foreigners, will be checked and subverted. But should nine or ten states adopt the constitution, how miserable will be the condition of public and private credit in those states who decline it! Will any American or foreign merchant trust his property within their boundaries -will any foreign nation have the fmallest considence in an useless limb. differered from the body? America. in the deplorable event of the rejection of the federal conflitution, will be like an hopeless victim whom justice has subjected to the rack. She will resemble one of those pitiable objects in the disjointed condition of her members. In one respect, indeed, her situation will be more dreadful. The coup de grace terminates all his agonies, while our distracted country will be doomed to drag on her miserable existence for a length of time to which no human mind can fix a period.

In fuch a fituation of affairs, inflead of expecting new schemes of emolument and advantage, we must foresee the certain loss of many old ones—instead of frequent and numerous emigrations, and an influx of imported wealth, we may be too certain of depopulation, and the exportation of property. Instead of the delightful and beneficial cultivation of the arts of peace, we must once more experience the miseries of civil discord—not to secure, but to destroy our peace—liberty—and safety.

It has been faid by fome, that the united states are much too extensive to continue under one government. But the youngest people now on the theatre of life remember this very country, joined by the Floridas on the fouth, and by Nova-Scotia, New-Brunswic, and Canada on the north, existing under one government. all these were added the West India Islands, Newfoundland, the British territories in the East Indies, and the kingdoms of Great Britain and Ireland. It will be foon enough to confider whether we ought to separate, when a disposition of that kind is discovered in some of the states. Hitherto, no fuch disposition has appeared. The general convention, who were a respectable representation of our country, certainly did not think the idea either proper or conducive to our happiness, or they

would have framed their act accordingly. Congress have never recommended a separation to our consideration, nor has the legislature of any state advised or desired it. However pleasing it may be to individuals, there is no proof of its being the wish of a fingle county in the union. A little reflexion will shew it to be as inconfistent with our happiness and interest, as it is opposite to the wishes and feelings of the people. Were we united by the federal government, there would be no enemy at hand to disturb our perfect tranquility. The Spaniards on the fouth, we may affume, have infinitely more reason to be apprehensive of our movements, than we of theirs. The British provinces on the north are more likely, in the event of a war, to furnish opportunity against us. But they cannot be very injurious: and indeed they may rather ferve the useful purpose of keeping us on our guard. We have nothing to fear from either of those quarters, provided we are united. In this respect, the united states, under the new constitution, will possess all the advantages in America, which Henry IV. hoped to produce by a general league in Europe, with this great difference in our favour, that the road to ours is through well conducted and free councils, independently held by the states concerned; and his scheme, however useful and noble the defign, would necessarily have been effected by force and bloodshed.

Without advancing the arrogant idea that the proposed plan of sederal government is perfectly unexceptionable, the proper question on this great occasion seems to be, whether the happiness of America will not be more effectually promoted by adopting it, with the power and right to introduce amendments provided in it, than by rejecting it under the present circumstances of our country.

Some may ask, why not previously amend ?-We respectfully answer: First, because our circumstances do not admit of delay without the loss or postponement of many great advantages, and without many ferious dangers and injuries at home and abroad. Secondly, because it is not to be expected that any future convention will possess, in a more eminent degree than the last, the necessary regard for the general interests of America, and the indispensible spirit of amity and concession displayed by Thirdly, because the gentle-, men who disapprove of the government, acknowledge a variety of views, opinions, principles and feelings, as opposite and contradictory to each other, as they are to the proposed constitution. Fourthly, because seven of the states (and probably eight by this time) have adopted the government, some of which are extenfive, and fome contracted, foine in the north, some in the south, and some in the centre, some the most numerous in free citizens, and fome the least so, some with unchecked democratic state constitutions, and some with the reverse, some poor with a paper lawful money, and some rich with no lawful money but folid coin, some purely agricultural, and fome manufacturing and commercial. Fifthly, because the adoption of the constitution by eight states (if it shall fo appear) containing about two thirds of the free white inhabitants of the united states, is a strong proof that the convention have not mistaken the feelings, opinions, and interests of the people at large: and lastly, because it will appear, on due examination of the constitution, more eafy to amend it after than before the adoption. Permit me for a few moments to ask your cool and close attention to this point. To amend before the adoption, will require that all the states, who are to become

members of the new confederacy. should adopt all the amendments that shall be adopted by any one. For example, if five amendments should be proposed by a new general conrention, and adopted by one state, every other state that should not adopt them all, would effectually reject the constitution. That is, the confent of the whole thirteen will be necessary to obtain any one amendment, however falutary. But to amend the constitution after its adoption, will require the conventions or legislatures of only three fourths of the states: that is, ten out of the whole thirteen. Hence, it clearly follows, that the difficulty of obtaining amendments after the ratification, will be as much less, than to procure them before the ratification, as ten is less than thirteen.

It has been urged that the officers of the federal government will not part with power, after they have got it: but those who make this remark, really have not duly confidered the constitution: for congress will be obliged to call a federal convention on the application of the legislatures of two thirds of the states: and all amendments proposed by such federal convention, are to be valid, when adopted by the legislatures or conventions of three fourths of the states. It therefore clearly appears that two thirds of the states can always procure a general convention for the purpose of amending the constitution; and that three fourths of them can introduce those amendments into the constitution, although the president, senate and sederal house of representatives should be unanimously opposed to each and all of them. Congress therefore cannot hold any power, which three fourths of the states shall not approve on experience.

The government now offered to the free citizens of America, is truly

a government of the people, for no man can be excluded from giving his voice, or from holding the offices which are necessary to execute it. Is it requisite, to qualify a man to elect or be elected, that he be rich ? No, for there is no qualification of property, though it was demanded by fome who now oppose the conftitution. Is it necessary to be of noble blood or of a powerful family? No, for it is declared that there shall be no titles, rank or nobility. Is there a power given to a king or a prince, to alter and amend the constitution? No, for it is vested, where I trust it will ever remain, in the people themselves.

AN AMERICAN.
Philadelphia, May 28, 1788.

Remarks on the proposed system of federal government: delivered in an address to the freemen of Edenton and the county of Chowan, North Carolina, by the hon. Hugh Williamson, esq. delegate from said state to the late continental convention.

THOUGH I am conscious that a subject of the greatest magnitude must suffer in the hands of such an advocate, I cannot resuse, at the request of my fellow-citizens, to make some observations on the

new plan of government.

It feems to be generally admitted, that the fystem of government which has been proposed by the late convention, is well calculated to relieve us from many of the grievances under which we have been labouring. If I might express my particular fentiments on this subject, I should decribe it as more free and more perfect than any form of government that ever has been adopted by any nation; but I would not say it has no faults. Imperfection is inseparable from every human device. Seven

ral objections were made to this fyftem by two or three very respectable characters in the convention, which have been the subject of much converfation; and other objections, by citizens of this state, have lately reached our ears. It is proper that you should consider of these objections. They are of two kinds; they respect the things that are in the system, and the things that are not in it. We are told that there should have been a fection for fecuring the trial by jury in civil cases, and the liberty of the press: that there should also have been a declaration of rights. In the new fystem, it is provided, that "the trial of all crimes, except in cases of impeachment, shall be by. jury:" but this provision could not possibly be extended to all civil cases. For it is well known that the trial by jury is not general and uniform throughout the united states, either in cases of admiralty or of chancery; hence it became necessary to submit the question to the general legislature, who might accommodate their laws on this occasion to the desires and habits of the nation. there is no prohibition in a case that is untouched.

We have been told that the liberty of the press is not secured by the new constitution. Be pleased to examine the plan, and you will find that the liberty of the press and the laws of Mahomet are equally affected by it. The new government is to have the power of protecting literary property; the very power which you have by a special act delegated to the present congress. There was a time in England, when neither book, pamphlet, nor paper could be published without a licence from government. That restraint was finally removed in the year 1694: and, by fuch removal, their prefs became perfectly free, for it is not under the restraint of any licence, Certainly the new government can have no power to impose restraints. The citizens of the united states have no more occasion for a second declaration of rights, than they have for a fection in favour of the press. Their rights, in the feveral states, have long fince been explained and fecured by particular declarations, which make a part of their feveral constitutions. It is granted, and perfectly understood, that under the government of the assemblies of the states, and under the government of the congress, every right is referved to the individual, which he has not expressly delegated to this, or that legillature. The other objections that have been made to the new plan of government, are: That it absorbs the powers of the feveral states; that the national judiciary is too extensive; that a standing army is permitted; that congress is allowed to regulate trade: that the several states are prevented from taxing exports, for their own benefit.

When gentlemen are pleafed to complain, that little power is left in the hands of the feparate states—they should be advised to cast an eye upon the large code of laws, which have passed in this state since the peace. Let them confider how few of those laws have been framed, for the general benefit of the nation. Nine out of ten of them, are domestic; calculated for the fole use of this state, or of particular citizens. There must still be use for such laws, though you should enable the congress to collect a revenue for national purposes: and the collection of that revenue includes the chief of the new powers, which are now to be committed to the congress.

Hitherto you have delegated certain powers to the congress, and other powers to the assembles of the states. The portion that you have delegated to congress, is found to have been useless, because it is too fmall: and the powers that are committed to the affemblies of the feveral states, are also found to be absolutely ineffectual for national purpofes, because they can never be so managed as to operate in concert. Of what use is that small portion of referved powers? It neither makes you respectable nor powerful. The confequence of fuch refervation is national contempt abroad, and a state of dangerous weakness at home. What avails the claim of power, which appears to be nothing better than the empty whistling of a name? The congress will be chosen by yourfelves, as your members of affembly They will be creatures of your hands, and subject to your advice. Protected and cherished by the small addition of power which you shall put into their hands, you may become a great and respectable nation.

It is complained that the powers of the national judiciary are too extensive. This objection appears to have the greatest weight in the eyes of gentlemen who have not carefully compared the powers which are to be delegated, with those that had been formerly delegated to congress. The powers that are now to be committed to the national legiflature, as they are detailed in the 8th fection of the first article, have already been chiefly delegated to the congress, under one form or another, except those which are contained in the first paragraph of that fection. And the objects that are now to be fubmitted to the supreme judiciary, or to the inferior courts, are those which naturally arise from the constitutional laws of congress. If there is a fingle new case, that can be exceptionable, it is that between a foreigner and a citizen, or that between the citizens of different states. These cases may come up by appeal. It is provided in this fystem, that

there shall be no fraudulent tender in the payments of debts. Foreigners, with whom we have treaties, will trust our citizens on the faith of this engagement. And the citizens of different flates will do the fame. If the congress had a negative on the laws of the feveral states, they would certainly prevent all fuch laws might endanger the honour or peace of the nation, by making a tender of base money; but they have no fuch power, and it is at least possible that some state may be found in this union, disposed to break the constitution, and abolish private debts by fuch tenders. In these cases the courts of the offending state, would probably decide according to its own laws. The foreigner would complain; and the nation might be involved in war for the support of such dishonest meafures. Is it not better to have a court of appeals in which the judges can only be determined by the laws of the nation? This court is equally to be defired by the citizens of different states. But we are told that justice will be delayed, and the poor will be drawn away by the rich to a distant court. The authors of this remark have not fully considered the question, else they must have recollected, that the poor of this country have little to do with foreigners, or with the citizens of distant states. They do not confider that there may be an inferior court in every state; nor have they recollected, that the appeals, being with fuch exceptions, and under fuch regulations as congrefs shall make, will never be permitted for trifling fums, or under trivial pretences, unless we can suppose that the national legislature shall be composed of knaves and The line, that separates the powers of the national legislature from those of the several states, is clearly drawn. The feveral states referve every power that can be exercifed for the particular use and comfort of the state. They do not yield a fingle power which is not purely of national concern: nor do they yield a fingle power which is not abfolutely necessary to the fafety and prosperity of the nation, nor one that could be employed to any effect in the hands of particular states. The powers of judiciary naturally arise from those of the legislature. Questions that are of a national concern, and those cases which are determinable by the general laws of the nation. are to be referred to the national judiciary: but they have not any thing to do with a fingle case either civil or criminal, which respects the private and particular concerns of a state or its citizens.

The possibility of keeping regular troops in the public service, has been urged as another objection against the new constitution. It is very remarkable that the same objection has not been made against the original confederation, in which the same grievance obtained without the same guards. It is now provided, that no appropriation of money for the use of the army shall be for a longer time than two years. Provision is also made for having a powerful militia, in which case there never can be occasion for many regular troops.

It has been objected in some of the fouthern states, that the congress, by a majority of votes, is to have the power to regulate trade. It is univerfally admitted that congress ought to have this power, else our commerce, which is nearly ruined, can never be restored: but some gentlemen think that the concurrence of two thirds of the votes in congress should have been required. By the fundry regulations of commerce, it will be in the power of goverument not only to collect a vast revenue for the general benefit of the nation, but to secure the carrying trade in the hands of citizens in preference 'to strangers. It has been alleged that there are few ships belonging to the fouthern states; and that the price of freight must rise, in consequence of our excluding many foreign vessels: but when we' have not vessels of our own, it is certainly proper that we should hire those of citizens in preference to firangers: for our revenue is promoted, and the nation is strengthened, by the profits that remain in the hands of citizens; we are injured by throwing them into the hands of itrangers; and though the price of freight should rife for two or three years, this advantage is fully due to our, brethren in the eastern and middle states, who, with great and exemplary candour, have given us equal advantages in return. A fmall increase in the price of freight would operate greatly in favour of the fouthern states: it would promote the spirit of ship-bullding; it would promote a nurlery for native feamen, and would afford support to the poor who live near the fea coast : it would increase the value of their lands, and, at the same time, it would reduce their taxes.

It has finally been objected that the feveral states are not permitted to tax their exports for the benefit of their particular treasuries. This strange objection has been occasionally repeated by citizens of this state. They must have transplanted it from another state, for it could not have been the growth of North Carolina.

Such have been the objections

Whilst the honest patriot, who guards with jealous eye the liberties of his country, and apprehends danger under every form—the placeman in every state, who sears lest his office should pass into other hands—the idle, the sactious, and the dishonest, who live by plunder or speculation

on the miferies of their country—while these, assisted by a numerous body of secret enemies; who never have been reconciled to our independence, are seeking for objections to this constitution, it is a remarkable circumstance, and a very high encomium on the plan, that nothing more plausible has been offered against it; for it is an easy matter to find faults.

Let us turn our eyes to a more fruitful subject; let us confider the present condition of the united states. and the particular benefits that North Carolina must reap by the proposed form of government. Without money, no government can be supported; and congress can raise no money under the present constitution. They have not the power to make commercial treaties, because they canhot preserve them when made. Hence it is, that we are the prey of every nation. We are indulged in fuchforeign commerce, as must be hurtful to us. We are prohibited from that which might be profitable; and we' are accordingly told, that in the last two years, the thirteen states have hardly paid into the treasury; as much as should have been paid by a fingle state. Intestine commotions in some of the states-paper money in others—a want of inclination in some, and a general suspicion throughout the union, that the burdens is unequally laid-added to the general loss of trade-have produced a general bankruptcy, and loss of honour. We have borrowed money of Spain-she demands the principal, but we cannot pay the interest. is a circumstance perfectly humiliating, that we should remain under obligations to that nation. We are confiderably indebted to France: but the is too generous to infift upon what she knows we cannot pay, either the principal or interest. In the hour of distress, we borrowed money

in Holland; not from the government, but from private citizens. Those who were called the patriots, were our friends, and they are oppreffed in their turn by hofts of enemies. They will foon have need of money. At this hour, we are not able to pay the interest of their loan. What is to be done? Will you borrow money again from other citizens of that oppressed republic, to pay the interest of what you borrowed from their brethren? This would be a painful expedient: but our want of government may render it necessary. You have two or three ministers abroad; they must soon return home, for they cannot be supported. - You have four or five hundred troops scattered along the Ohio to protect the frontier inhabitants, and give fome value to' your lands; those troops are ill paid, and in a fair way for being disbanded. There is hardly a circumstance remaining-hardly one external mark -by which you can deferve to be called a nation. You are not in a condition to refift the most contemptible enemy. What is there to prevent an Algerine pirate from landing on your coast, and carrying your citizens into flavery? You have not a fingle floop of war. Does one of the states attempt to raise a little money by imposts or other commercial regulations? A neighbouring Rate immediately alters her laws, and defeats the revenue, by throw-. ing the trade into a different channel. Instead of supporting or affisting, we are uniformly taking the advantage of one another. Such an assemblage of people are not a nation. Like a dark cloud, without cohesion or sirmness, we are ready to be torn afunder, and feattered abroad, by every breeze of external violence, or internal commotion.

Is there a man in this state, who believes it possible for us to continue under such a government?—Let us

suppose but for a minute, that such a measure should be attempted. Let us suppose that the several states shall be required and obliged to pay their feveral quotas according to the original plan. You know that North Carolina, on the last four years, has not paid one dollar into the treasury. for eight dollars that she ought to have paid. We must increase our taxes exceedingly, and those taxes must be of the most grievous kind; they must be taxes on lands and heads; taxes that cannot fail to grind the face of the poor; for it is clear that we can raise little by imports and exports. Some foreign goods are imported by water from the northern states: such goods pay a duty for the benefit of those states, which is feldom drawn back. This operates as a tax upon our citizens. On this side, Virginia promotes her revenue to the amount of twenty five thousand dollars every year, by a tax on our tobacco that she exports. South Carolina on the other fide, may avail herself of similar opportunities. Two thirds of the foreign goods that are confumed in this state, are imported by land from Virginia or South Carolina. Such goods pay a certain impost for the benefit of the importing states, but our treasury is not profited by this commerce. By fuch means, our citizens are taxed more than one hundred thousand dollars every year; but the state does not receive credit for a shilling of that money. Like a patient that is bleeding at both arms, North Carolina must soon expire under such wasteful operations. Unless I am greatly mistaken, we have seen enough of the state of the union, and of North Carolina in particular, to be affured that another form of government is become necessary. Is the form now proposed, well calculated to give relief? To this we must answer in the affirmative. All foreign goods that shall be imported into these states, are to pay a duty for the use of the nation. All the states will be on a footing, whether they have bad ports or good ones. No duties will be laid on exports; hence the planter will receive the true value of his produce, wherever it may be shipped. If excises are laid on wine, spirits, or other luxuries, they must be uniform throughout the states. By a careful management of imposts and excises, the national expences may be discharged without any other species of tax; but if a poll tax, or land tax, shall ever become necessary, the weight must press equally on every part of the union. For in all cases, such taxes must be according to the number of inhabitants. Is it not a pleafing confideration that North Carolina, under all her natural disadvantages, must have the same facility of paying her share of the public debt, as the most favoured, or the most fortunate state? She gains no advantage by this plan, but she recovers from her misfortunes. She stands on the fame footing with her fifter flates, and they are too generous to defire that she should stand on lower ground. When you confider those parts of the new fystem which are of the greatest import-those which respect the general question of liberty and fafety-you will recollect that the states in convention were unanimous; and you must remember, that fome of the members of that body have rifqued their lives in defence of liberty; but the fystem does not require the help of fuch arguments; it will bear the most scrupulous examination.

When you refer the proposed system to the particular circumstances of North Carolina, and consider how she is to be affected by this plan—you must find the utmost reason to rejoice in the prospect of better times.

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This is a fentiment that I have ventured with the greater confidence, because it is the general opinion of my late honourable colleagues, and I have the utmost reliance in their superior abilities. But if our constituents shall discover faults where we could not fee any-or if they shall suppose that a plan is formed for abridging their liberties, when we imagined that we had been fecuring both liberty and property on a more stable foundation-if they perceive that they are to fuffer a lofs, where we thought they must rife from a misfortune-they will at least do us the justice to charge these errors to the head, and not to the heart.

The proposed system is now in your hands, and with it the fate of your country. We have a common interest, for we are embarked in the same vessel. At present she is in a sea of troubles, without fails, oars, or pilot; ready to be dashed to pieces by every slaw of wind. You may secure a port, unless you think it better to remain at sea. If there is any man among you that wishes for troubled times and sluctuating measures, that he may live by speculations, and thrive by the calamities of the state, this government is not for him.

If there is any man who envies the prosperity of a native citizen—who wishes that we should remain without native merchants or feamen, without shipping, without manufactures, without commerce—poor and contemptible, the tributaries of a foreign country—this government is not for him.

And if there is any man who has never been reconciled to our independence, who wishes to see us degraded and insulted abroad, oppressed by anarchy at home, and torn into pieces by factions—incapable of resistance, and ready to become a prey to the first invader—this government is not for him,

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But it is a government, unlefs I am greatly mistaken, that gives the fairest promise of being firm and honourable; safe from foreign invasion or domestic sedition—a government by which our commerce must be protected and enlarged; the value of our produce and of our lands must be increased; the labourer and the mechanic must be encouraged and supported. It is a form of government that is perfectly fitted for protecting liberty and property, and for cherishing the good citizen and the honest man.*

Address to the people of the state of New York, on the subject of the proposed federal constitution: said to be written by the hon. John Jay, esq. minister for foreign affairs to the united states in congress assembled.

Friends and fellow citizens,

THERE are times and feafons, when general evils spread gewhen general evils spread general alarm and uneafiness; and yet arife from causes too complicated and too little understood by many, to produce an unanimity of opinions respecting their remedies. Hence it is, that on fuch occasions, the conflict of arguments too often excites a conflict of passions, and introduces a degree of discord and animosity, which, by agitating the public mind, dispose it to precipitation and extravagance. They, who on the ocean have been unexpectedly inveloped with tempests, or fuddenly entangled among rocks and shoals, know the value of that ferene felf-possession

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* The freemen, to whom the above addrefs was delivered, afterwards agreed to the resolutions inserted in the American Museum, Vol. III. p. 71.

and prefence of mind, to which, in fuch cases, they owed their preservation: nor will the heroes who have given us victory and peace, hesitate to acknowledge, that we are as much indebted for those blessings to the calm prevision, and cool intrepidity, which planned and conducted our military measures, as to the glowing animation with which they were executed.

While reason retains her rulewhile men are as ready to receive as to give advice-and as willing to be convinced themselves, as to convince others-there are few political evils from which a free and enlightened people cannot deliver themselves. It is unquestionably true, that the great body of the people love their country, and wish it prosperity; and this obfervation is particularly applicable to the people of a free country, for they have more and stronger reasons for loving it than others. It is not, therefore, to vicious motives that the unhappy divisions, which fometimes prevail among them, are to be imputed; the people at large always mean well, and although they may, on certain occasions, be misled by the counsels, or injured by the efforts of the few who expect more advantage from the wreck, than from the preservation of national prosperity, yet the motives of these sew are by no means to be confounded with those of the community in general.

That such seeds of discord and danger have been disseminated, and begin to take root in America, as, unless eradicated, will soon poison our gardens and our fields, is a truth much to be lamented; and the more so, as their growth rapidly increases, while we are wasting the season in honestly but imprudently disputing, not whether they shall be pulled up, but by whom, in what manner, and with what instruments, the work shall

be done.

When the king of Great-Britain, misguided by men who did not merit his confidence, afferted the unjust claim of binding us in all cases whatfoever, and prepared to obtain our fubmission by force, the object, which engrossed our attention, however important, was nevertheless plain and fimple. "What shall we do?" was the question. The people answered, let us unite our counsels and our arms. They fent delegates to congress, and soldiers to the field. Confiding in the probity and wifdom of congress, they received their recommendations as if they had been laws: and that ready acquiescence in their advice enabled those patriots to fave their country. Then there was little leifure or disposition for controverly respecting the expediency of measures: hostile sleets soon filled our ports, and hostile armies spread desolation on our shores. Union was then confidered as the most effential of human means: and we almost worshipped it with as much fervour, as pagans in distress formerly implored the protection of their tutelar deities. That union was the child of wisdom: heaven blessed it. and it wrought out our political falvation.

That glorious war was fucceeded by an advantageous peace. When danger disappeared, ease, tranquility, and a fense of security loosened the bands of union: and congress, and foldiers, and good faith depreciated with their apparent importance. Recommendations lost their influence: and requifitions were rendered nugatory, not by their want of propriety, but by their want of power. The spirit of private gain expelled the spirit of public good: and men became more intent on the means of enriching and aggrandizing themselves, than of enriching and aggrandizing their country. Hence the war-worn veteran, whose reward for

toils and wounds existed in written promises, found congress without the means, and too many of the states without the disposition, to do him justice. Hard necessity compelled him, and others under similar circumstances, to sell their honest claims on the public for a little bread; and thus unmerited misfortunes and patriotic distresses became articles of speculation and commerce.

These and many other evils, too well known to require enumeration, imperceptibly stole in upon us, and acquired an unhappy influence on our public affairs. But such evils, like the worst of weeds, will naturally fpring up in fo rich a foil: and a good government is as necessary to fubdue the one, as an attentive gardener or husbandman is to destroy the other. Even the garden of Paradife required to be dreffed: and while men continue to be constantly impelled to error and to wrong, by innumerable circumstances and temptations, fo long will fociety experience the unceasing necessity of government.

It is a pity that the expectations, which actuated the authors of the existing confederation, neither have nor can be realized: accustomed to fee and admire the glorious spirit which moved all ranks of people in the most gloomy moments of the war-observing their steadsast attachment to union, and the wisdom they fo often manifested both in choosing and confiding in their rulers—those gentlemen were led to flatter themfelves that the people of America only required to know what ought to be done, to do it. This amiable mistake induced them to institute a national government in fuch a manner, as, though very fit to give advice, was yet destitute of power, and so constructed as to be very unfit to be trusted with it. They seem not to have been sensible that mere advice is a fad substitute for laws: nor to have recollected that the advice even of the allwife and best of beings, has been always difregarded by a great majority of all the men that ever lived.

Experience in a fevere preceptor: but it teaches useful truths, and, however harsh, is always honest. calm and dispassionate, and listen to

what it tells us.

Prior to the revolution, we had little occasion to enquire or know much about national affairs, for although they existed, and were managed, yet they were managed for us, but not by us. Intent on our domestic concerns, our internal legislative business, our agriculture, and our buying and felling, we were feldom anxious about what passed or was doing in foreign courts. As we had nothing to do with that department of policy, so the affairs of it were not detailed to us, and we took as little pains to inform ourselves, as others did to inform us of them. War, and peace, alliances, and treaties, and commerce, and navigation, were conducted and regulated without our advice or controul. While we had liberty and justice, and in fecurity enjoyed the fruits of our vine and fig tree," we were in general too content and too much occupied, to be at the trouble of investigating the various political combinations in this department, or to examine and perceive how exceedingly important they often were to the advancement and protection of our prosperity. This habit and turn of thinking affords one reason why fo much more care was taken, and fo much more wisdom displayed, in forming our state governments, than in forming our federal or national one.

By the confederation, as it now stands, the direction of general and national affairs is committed to a fingle body of men, viz. the congress. They may make war, but are not empowered to raife men or money to carry it on. They may make peace, but without power to fee the terms of it observed-They may form alliances, but without ability to comply with the stipulations on their part-They may enter into treaties of commerce, but without power to enforce them, at home or abroad -They may borrow money, but without having the means of repayment-They may partly regulate commerce, but without authority to execute their ordinances—They may appoint ministers and other officers of trust, but without power to try or punish them for misdemeanors-They may refolve, but cannot execute either with dispatch or with fecrecy-In fhort, they may confult, and deliberate, and recommend, and make requisitions; and they who

pleafe, may regard them.

From this new and wonderful syftem of government, it has come to pass, that almost every national object of every kind, is at this day unprovided for: and other nations, taking the advantage of its imbecility, are daily multiplying commercial restraints upon us. Our fur trade is gone to Canada, and British garrifons keep the keys of it. Our shipyards have almost ceased to disturb the repose of the neighbourhood by the noise of the axe and hammer: and while foreign flags fly triumphantly above our highest houses, the American stars feldom do more than shed a few feeble rays about the humble masts of river sloops and coasting schooners. The greater part of our hardy feamen are ploughing the ocean in foreign pay; and not a few of our ingenious shipwrights are now building vessels on alien shores. Although our increasing agriculture and industry extend and multiply our productions, yet they conflantly diminish in value: and although we permir all nations to fill our country with their merchandizes, vet their best markets are shut against us. Is there an English, or a French, or a Spanish island or port in the West-Indies, to which an American vessel can carry a cargo of flour for fale? Not one. The Aigerines exclude us from the Mediterranean, and adjacent countries: and we are neither able to purchase, nor to command the free use of those seas. Can our little towns or larger cities confume the immense productions of our fertile country? or will they, without trade, be able to pay a good price for the proportion which they do confume? The last feason gave a very unequivocal answer to these questions-What numbers of fine cattle have returned from this city to the country, for want of buyers! What great quantities of falted and other provifions still lie useless in the stores! To how much below the former price, is our corn, and wheat, and flour, and lumber rapidly falling! Our debts remain undiminished, and the interest on them accumulating our credit abroad is nearly extinguished, and at home unrestoredthey who had money, have fent it beyond the reach of our laws, and fearcely any man can borrow of his neighbour. Nay, does not experience also tell us, that it is as difficult to pay as to borrow? That even our houses and lands cannot command money-that law fuits and usurious contracts abound—that our farms fell on executions for less than half their value—and that diffress in various forms, and in various ways, is approaching fail to the doors of our best citizens?

These things have been gradually coming upon us ever fince the peace: they have been perceived and proclaimed: but the universal rage and pursuit of private gain conspired

with other causes, to prevent any proper efforts being made to meliorate our condition by due attention to our national affairs, until the late convention was convened for that purpose. From the result of their deliberations, the states expected to derive much good; and, should they be difappointed, it will probably be not less their misfortune than their fault. That convention was in general composed of excellent and tried men-men who had become confpicuous for their wisdom and public fervices, and whose names and characters will be venerated by posterity. Generous and candid minds cannot perceive, without pain, the illiberal manner in which fome have taken the liberty to treat them; nor forbear to impute it to impure and improper motives. Zeal for public good, like zeal for religion, may fometimes carry men beyond the bounds of reafon; but it is not conceivable, that on this occasion, it should find means fo to inebriate any candid American, as to make him forget what he owed to truth and to decency, or induce him either to believe or to fay, that the almost unanimous advice of the convention, proceeded from a wicked combination and conspiracy against the liberties of their country. This is not the temper with which we should receive and consider their recommendations, nor the treatment that would be worthy either of us or them. Let us continue careful, therefore, that facts do not warrant historians to tell future generations, that envy, malice, and uncharitableness pursued our patriotic benefactors to their graves; and that not even pre-eminence in virtue, nor lives devoted to the public, could shield them. from obloquy and detraction. On the, contrary, let our bosoms always retain a fufficient degree of honest indignation to disappoint and discourage those who expect our thanks or

applause, for calumniating our most faithful and meritorious friends.

The convention concurred in opinion with the people, that a national government, competent to every national object, was indispensibly neceffary: and it was as plain to them, as it now is to all America, that the prefent confederation does not provide for fuch a government. These points being agreed, they proceeded to confider how and in what manner, fuch a government could be formed. as, on the one hand, should be fufficiently energetic to raife us from our prostrate and distressed situation, and, on the other, be perfectly confishent with the liberties of the people of every state. Like men, to whom the experience of other ages and countries had taught wisdom, they not only determined that it should be erected by, and depend on the people; but remembering the many instances in which governments vested folely in one man, or one body of men, had degenerated into tyrannies, they judged it most prudent that the three great branches of power should be committed to different hands, and therefore that the executive should be separated from the legislative, and the judicial from both. Thus far the propriety of their work is eafily feen and understood, and therefore is thus far almost universally approved—for no one man or thing under the fun ever yet pleased every body.

The next question was, what particular powers should be given to these three branches? Here the different views and interests of the different states, as well as the different abstract opinions of their members, on such points, interposed many difficulties. Here the business became complicated, and presented a wide field for investigation; too wide for every eye to take a quick and comprehen-

five view of it.

It is faid that " in a multitude of

counsellors there is fafety," because, in the first place, there is greater security for probity; and in the next. if every member cast in only his mite of information and argument, their joint stock of both will thereby become greater than the stock possessed by any one fingle man out of doors. Gentlemen out of doors, therefore, should not be hasty in condemning a fystem, which probably rests on more good reasons than they are aware of, especially when formed under such advantages, and recommended by fo many men of distinguished worth and abilities.

The difficulties before mentioned occupied the convention a long time: and it was not without mutual concessions that they were at last furmounted. These concessions serve to explain to us the reason why some parts of the fystem please in some states, which displease in others; and why many of the objections which have been made to it, are fo contradictory and inconfistent with one another. It does great credit to the temper and talents of the convention, that they were able fo to reconcile the different views and interests of the different states, and the clashing opinions of their members, as to unite with fuch fingular and almost perfect unanimity in any plan whatever, on a subject so intricate and perplexed. It shews that it must have been thoroughly discussed and understood: and probably, if the community at large had the fame lights and reasons before them, they would, if equally candid and uninfluenced, be equally unanimous.

It would be arduous, and indeed impossible, to comprize within the limits of this address, a full discussion of every part of the plan. Such a task would require a volume: and few men have leifure or inclination to read volumes on any subject. The objections made to it are almost with-

out number—and many of them without reason. Some of them are real and honest, and others merely ostensible. There are friends to union and a national government, who have ferious doubts, who wish to be informed, and to be convinced: and there are others who, neither wishing for union, nor any national government at all, will oppose and object to any usen that can be contribed.

any plan that can be contrived. We are told, among other strange things, that the liberty of the press is left infecure by the proposed conflitution: and yet that constitution fays neither more or less about it, than the constitution of the state of New-York does. We are told that it deprives us of trial by jury, whereas the fact is, that it expressly secures it in certain cases, and takes it away in none-It is abfurd to construe the filence of this, or of our own constitution, relative to a great number of our rights, into a total extinction of them. Silence and blank paper neither grant nor take away any thing. Complaints are also made that the proposed constitution is not accompanied by a bill of rights: and yet they who make these complaints, know and are content that no bill of rights accompanied the constitution of this state. In days and countries, where monarchs and their fubjects were frequently disputing about prerogative and privileges, the latter often found it necessary, as it were, to run out the line between them, and oblige the former to admit by folemn acts, called bills of rights, that certain enumerated rights belonged to the people, and were not comprehended in the royal prerogative. But, thank God, we have no fuch disputes—we have no monarchs to contend with, or demand admiffions from. The proposed government is to be the government of the people: all its officers are to be their officers, and to exercise no rights but

fuch as the people commit to them. The conflitution only ferves to point out that part of the people's business, which they think proper by it to refer to the management of the persons therein designated—those persons are to receive that business to manage, not for themselves, and as their own, but as agents and overscers for the people, to whom they are constantly responsible, and by whom only they are to be appointed.

But the defign of this address is not to investigate the merits of the plan, nor of the objections made to it. They who feriously contemplate the present state of our affairs, will be convinced that other confiderations of at least equal importance demand their attention. Let it be admitted that this plan, like every thing else devised by man, has its imperfections. That it does not please every body, is certain: and there is little reason to expect one that will. It is a question of great moment to you, whether the probability of our being able feafonably to obtain a better, is fuch, as to render it prudent and advisable to reject this, and run the risk. Candidly to confider this question, is the defign of this address.

As the importance of this question must be obvious to every man, whatever his private opinions respecting it may be, it becomes us all to treat it in that calm and temperate manner, which a subject, so deeply interesting to the future welfare of our country and posterity, requires. Let us, therefore, as much as possible, repress and compose that irritation in our minds, which too warm disputes about it may have excited. Let us endeavour to forget that this or that man, is on this or that fide; and that we ourselves, perhaps without sufficient reflection, have classed ourfelves with one or the other party. Let us remember, that this is not to be regarded as a matter that only touches our local parties, but as one fo great, fo general, and fo extensive in its future confequences to America, that for our deciding upon it according to the best of our unbiasted judgment, we must be highly responsible both here and hereafter.

The question now before us, naturally leads to three enquiries:

1. Whether it is probable that a better plan can be obtained?

2. Whether, if attainable, it is

likely to be in feafon?

3. What would be our fituation, if, after rejecting this, all our efforts to obtain a better should prove fruit-less.

The men, who formed this plan, are Americans, who had long deferved and enjoyed our confidence, and who are as much interested in having a good government as any of us are, or can be. They were appointed to that business at a time when the states had become very senfible of the derangement of our national affairs, and of the impossibility of retrieving them under the existing confederation. Altho' well perfuaded that nothing but a good national government could oppose and divert the tide of evils that was flowing in upon us, yet those gentlemen met in convention with minds perfectly unprejudiced in favour of any particular plan. The minds of their constituents were at that time equally cool and difpaffionate. All agreed in the necessity of doing something: but no one ventured to lay decidedly what precifely ought to be done. Opinions were then fluctuating and unfixed: and whatever might have been the wishes of a few individuals, yet while the convention deliberated, the people remained in filent fufpence. Neither wedded to favourite fystems of their own, nor influenced by popular ones abroad, the members were more defirous to receive light from, than to impress their private fentiments on, one another. These circumstances naturally opened the door to that spirit of candour, of calm enquiry, of mutual accommodation, and mutual respect, which entered into the convention with them, and regulated their debates and proceedings.

The impossibility of agreeing upon any plan that would exactly quadrate with the local policy and objects of every state, soon became evident; and they wifely thought it better mutually to concede, and accommodate, and in that way to fashion their fystem as much as possible by the circumstances and wishes of different states, than, by pertinaciously adhering, each to his own ideas, oblige the convention to rife without doing any thing. They were fensible, that obstacles, arising from local circumstances, would not cease, while those circumstances continued to exist: and so far as those circumstances depended on differences of climate, productions, and commerce, that no change was to be expected. They were likewise sensible, that on a fubject fo comprehensive, and involving fuch a variety of points and questions, the most able, the most candid, and the most honest men will differ in opinion. The same proposition feldom strikes many minds exactly in the same point of light: different habits of thinking, different degrees and modes of education, different prejudices and opinions, early formed and long entertained, confpire with a multitude of other circumstances, to produce among men a diversity and contrariety of opinions on questions of difficulty. Liberality, therefore, as well as prudence, induced them to treat each other's opinions with tenderness, to argue without asperity, and to endeavour to convince the judgment without hurting the feelings of each other. Although many weeks were passed

in these discussions, some points remained, on which a unison of opinions could not be effected. Here again that same happy disposition to unite and conciliate, induced them to meet each other; and enabled them, by mutual concessions, finally to complete and agree to the plan they have recommended, and that too with a degree of unanimity, which, considering the variety of discordant views and ideas they had to reconcile, is really associated.

They tell us very honeftly, that this plan is the refult of accommodation—they do not hold it up as the best of all possible ones, but only as the best which they could unite in, and agree to. If such men, appointed and meeting under such auspicious circumstances, and so sincerely disposed to conciliation, could go no further in their endeavours to please every state and every body, what reason have we at present to expect any system that would give more general satisfaction?

Suppose this plan to be rejected, what measures would you propose for obtaining a better? Some will answer, let us appoint another convention, and as every thing has been said and written, that can well be said and written on the subject, they will be better informed than the former one was, and consequently be better able to make and agree upon a more eligible one.

This reasoning is fair: and, as far as it goes, has weight; but it nevertheless takes one thing for granted, which appears very doubtful: for although the new convention might have more information, and perhaps equal abilities, yet it does not from thence follow, that they would be equally disposed to agree. The contrary of this position is the most probable. You must have observed, that the same temper and equanimity which prevailed Vol. III. No. VI.

among the people on the former occasion, no longer exists. We have unhappily become divided into parties; and this important subject has been handled with fuch indifcreet and offensive acrimony, and with fo many little unhandsome artifices and mifrepresentations, that pernicious heats and animolities have been kindled and fpread their flames far and wide among us. When, therefore, it becomes a question who shall be deputed to the new convention, we cannot flatter ourfelves that the talents and integrity of the candidates will determine who shall be elected. Federal electors will vote for federal deputies, and antifederal electors for antifederal ones. Nor will either party prefer the most moderate of their adherents: for, as the most staunch and active partizans will be the most popular, so the men most willing and able to carry points, to oppose, and divide, and embarrafs their opponents, will be chosen. A convention, formed at fuch a feafon, and of fuch men, would be but too exact an epitome of the great body that named them. The fame party views, the fame propenfity to opposition, the same distrusts and jealousies, and the same unaccommodating spirit, which prevail without, would be concentred and ferment with still greater violence within. Each deputy would recollect who fent him. and why he was fent; and be too apt to confider himfelf bound in honour. to contend and act vigoroufly under the standard of his party, and not hazard their displeasure by prefering compromife to victory. vice does not fow the feeds of virtue, fo neither does passion cultivate the fruits of reason. Suspicions and refentments create no disposition to conciliate, nor do they infuse a defire of making partial and personal objects bend to general union and the common good. The utmost efforts of that excellent disposition were necessary to enable the late convention to perform their task; and although contrary causes sometimes operate similar effects, yet to expect that discord and animosity should produce the fruits of considence and agreement, is to expect "grapes from thorns, and sign from thistles."

The states of Georgia, Delaware, Jersey, and Connecticut, have adopted the present plan with unexampled unanimity. They are content with it as it is: and consequently their deputies, being apprized of the fentiments of their constituents, will be little inclined to make alterations. and cannot be otherwise than averse to changes, which they have no reafon to think would be agreeable to their people. Some other states, tho' less unanimous, have nevertheless adopted it by very respectable majorities; and for reasons so evidently cogent, that even the minority in one of them, have nobly pledged themselves for its promotion and support. From these circumstances, the new convention would derive and experience difficulties unknown to the former. Nor are these the only additional difficulties they would have to encounter. Few are ignorant that there has lately fprung up a fect of politicians, who teach and profess to believe that the extent of our nation is too great for the superintendance of one national government; and on that principle argue, that it ought to be divided into two or three. This doctrine, however mifchievous in its tendency and confequences, has its advocates: and, should any of them be fent to the convention, it will naturally be their policy, rather to cherish than to prevent divisions: for, well knowing that the institution of any national government, would blast their favourite system, no measures that lead to it can meet with their aid or approbation.

Nor can we be certain, whether or not any, and what foreign influence would, on fuch an occasion, be indirectly exerted, nor for what purposes. Delicacy forbids an ample discussion of this question. much may be faid, without error or offence, viz. That fuch foreign nations as defire the prosperity of America, and would rejoice to fee her become great and powerful, under the auspices of a government wisely calculated to extend her commerce. to encourage her navigation and marine, and to direct the whole weight of her power and refources as her interest and honour may require, will doubtless be friendly to the union of the states, and to the establishment of a government able to perpetuate, protect and dignify it. Such other foreign nations, if any fucl there be, who, jealous of our growing importance, and fearful that our commerce and navigation should impair their own—behold our rapid population with regret, and apprehend that the enterprifing spirit of our people, when feconded by power and probability of fuccess, may be directed to objects not confistent with their policy or interests, cannot fail to wish that we may continue a weak and a divided people.

These considerations merit much attention: and candid men will judge how far they render it probable that a new convention would be able either to agree in a better plan, or, with tolerable unanimity, in any plan at all. Any plan forcibly carried, by a flender majority, must expect numerous opponents among the people, who, especially in their prefent temper, would be more inclined to reject than adopt any system so made and carried. We should in fuch a case again see the press teeming with publications for and against it: for as the minority would take pains to justify their diffent, so would

the majority be industrious to display the wisdom of their proceedings. Hence new divisions, new parties, and new distractions would ensue, and no one can foresee or conjecture when or how they would terminate.

Let those who are fanguine in their expectations of a better plan from a new convention, also reflect on the delays and risks to which it would expose us. Let them consider whether we ought, by continuing much longer in our present humiliated condition, to give other nations further time to perfect their restrictive systems of commerce, to reconcile their own people to them, and to fence and guard and strengthen them by all those regulations and contrivances in which a jealous policy is ever fruitful. Let them confider whether we ought to give further opportunities to discord to alienate the hearts of our citizens from one another, and thereby encourage new Cromwells to bold exploits. Are we certain that our foreign creditors will continue patient, and ready to proportion their forbearance to our delays? Are we fure that our distresses, dissentions, and weakness will neither invite hoftility nor infult? if they should, how ill prepared shall we be for defence, without union, without government, without money, and without credit!

It feems necessary to remind you, that some time must yet elapse, before all the states will have decided on the present plan. If they reject it, some time must also pass before the measure of a new convention, can be brought about and generally agreed to. A further space of time will then be requisite to elect their deputies, and send them on to convention. What time they may expend, when met, cannot be divined: and it is equally uncertain how much time the several states may take to deliberate and decide on any plan they may recom-

mend—if adopted, ftill a further fpace of time will be necessary to organize and fet it in motion. In the mean time, our affairs are daily going on from bad to worse; and it is not rash to say that our distresses are accumulating like compound interest.

But if, for the reasons already mentioned, and others that we cannot now perceive, the new convention, instead of producing a better plan, should give us only a history of their disputes, or should offer us one still less pleasing than the present, where should we be then? The old confederation has done its best, and cannot help us; and is now fo relaxed and feeble, that in all probability it would not furvive fo violent a shock. Then " to your tents, Oh Ifrael!" would be the word. Then every band of union would be fevered. Then every state would be a little nation, jealous of its neighbours, and anxious to strengthen itfelf by foreign alliances, against its former friends. Then farewell to fraternal affection, unfulpecting intercourse, and mutual participation in commerce, navigation and citizenship. Then would arise mutual restrictions and fears, mutual garrifons, and standing armies, and all those dreadful evils which for so many ages plagued England, Scotland, Wales, and Ireland, while they continued difunited, and were played off against each other.

Consider, my fellow citizens, what you are about, before it is too late—consider what, in such an event, would be your particular case. You know the geography of your state, and the consequences of your local position. Jersey and Connectiont, to whom your impost laws have been unkind—Jersey and Connecticut, who have adopted the present plan, and expect much good from it—will impute its miscarriage and all

the consequent evils to you. They now confider your opposition as dictated more by your fondness for your impost, than for those rights to which they have never been behind you in attachment. They cannot, they will not love you-they border upon you, and are your neighbours: but you will foon ceafe to regard their neighbourhood as a bleffing. You have but one port and outlet to your commerce: and how you are to keep that outlet free and uninterrupted, merits consideration. What advantage Vermont in combination with others, might take of you, may eafily be conjectured; nor will you be at a loss to perceive how much reafon the people of Long Island, whom you cannot protect, have to deprecare being constantly exposed to the depredations of every invader.

These are short hints-they ought not to be more developed-you can eafily in your own minds dilate and trace them through all their relative circumstances and connections. Paule then for a moment, and reflect whether the matters you are disputing about, are of fufficient moment to justify vour running such extravagant risks. Reflect that the present plan comes recommended to you by men and fellow citizens, who have given you the highest proofs that men can give, of their justice, their love for liberty and their country, of their prudence, of their application, and of their talents. They tell you it is the best that they could form; and that in their opinion, it is necesfary to redeem you from those calamities which already begin to be heavy upon us all. You find that not only those men, but others of fimilar characters, and of whom you have also had very ample experience, advife you to adopt it. You find that whole states concur in the fentiment, and among them are your next neighbours; both whom have shed much blood in the cause of liberty, and have manifested as strong and conflant a predilection for a free republican government as any flates in the union, and perhaps in the world. They perceive not those latent mischiefs in it, with which fome double-fighted politicians endeavour to alarm you. You cannot but be fenfible that this plan or constitution will always be in the hands and power of the people, and that if on experiment, it should be found defective or incompetent, they may either remedy its defects, or substitute another in its room. The objectionable parts of it are certainly very questionable: for otherwise there would not be fuch a contrariety of opinions about them. Experience will better determine fuch questions than theoretical arguments, and fo far as the danger of abuses is urged against the institution of a government, remember that a power to do good, always involves a power to do harm. We must in the business of government, as well as in all other business, have some degree of confidence, as well as a great degree of Who on a fick bed would caution. refuse medicines from a physician, merely because it is as much in his power to administer deadly poisons, as falutary remedies?

You cannot be certain, that by rejecting the proposed plan you would not place yourselves in a very awkward situation. Suppose nine states should nevertheless adopt it, would you not in that case be obliged either to separate from the union, or rescind your dissent? The first would not be eligible, nor could the latter be pleasant—A mere hint is sufficient on this topic—You cannot but be aware of the consequences.

Confider then, how weighty and how many confiderations advise and persuade the people of America to remain in the safe and easy path of union: to continue to move and act as they hitherto have done, as a band of brothers; to have confidence in themselves and in one another; and fince all cannot fee with the fame eyes, at least to give the proposed constitution a Fair trial, and to mend it as time, occasion, and experience may dictate. It would little become us to verify the predictions of those who ventured to prophecy, that peace, instead of bleffing us with happiness and tranquility, would serve only as the fignal for factions, difcords and civil contentions to rage in our land, and overwhelm it with misery and distress.

Let us also be mindful that the cause of freedom greatly depends on the use we make of the fingular opportunities we enjoy of governing ourselves wisely; for if the event should prove, that the people of this country either cannot or will not govern themselves, who will hereafter be advocates for fystems, which, however charming in theory and prospect, are not reducible to practice? If the people of our nation, instead of confenting to be governed by laws of their own making, and rulers of their own choosing, should let licentiousn.ss, disorder, and confusion reign over them, the minds of men every where, will infenfibly become alienated from republican forms, and prepared to prefer and acquiesce in governments, which, though less friendly to liberty, afford more peace and fecurity.

Receive this address with the same candour with which it is written; and may the spirit of wisdom and patriotism direct and distinguish your

councils and your conduct.

A chizen of New York.

From the Pennsylvania magazine. The old backelor, No. VI.

(Continued from page 167.)

H! that I had been made an oyster! that I had been stationed in the bottom of the sea ! The winds might have blown their utmost; they might have swelled the waves mountains high, I should have heeded them not. Mankind might have been fatiated with folly. deceit, and iniquity, it would not have troubled me. But what is more than all the reft, I should have propagated my species in a numerous offspring, without the help, without the plagues, without the expence of a female affiftant.-

Here fome journey-man-philosopher would interrupt me with a learned differtation on fexes; and by a chain of irrefragable suppositions, prove that oysters are male and fe-What's that to you, fir ? Who asked your opinion in this matter? The deuce is in these coxcombs. that they cannot let a man go on his own way, but they must be throwing straws aeross his path. Go, mr. Philosopher, about your business. Go, catch butterflies, and search for the pineal gland of a musketoe.

Oh that I had been made an oyfter! 'Tis true I should forfeit what are called the enjoyments of life; that is, I should not eat turtle-foup and venison, 'till I nauseated both nor drink Madeira and claret 'till my head ached-true-neither should ${
m I}$ be tormented with the treachery of fervants, the hypocricy of relations and nominal friends, or the infults and farcasms of my fellow oysters.

You should have heard from me before this, mr. Aitken, but I have been fick-very fick-almost at the point of death. I caught cold by putting on a damp shirt. If I had been married, my wife, perhaps, would have taken care that my linen

should be well aired-perhaps not. Be that as it may, I was very fick; no body troubled their heads about me. I lay helplefs, languishing, and neglected above, my fervants rioted and plundered below. Every thing went into confusion. The common comforts of the fick were not administered to me. I lay many hours alone, given up to my own melancholy reflections. I thought I should die. I supposed myself dead -I faw my own funeral-Not a fingle tear to embalin my memory, A few straggling neighbours attend the feanty procession, conversing on politics as they follow me to the grave. The following day fome person in the next street asks one of my near neighbours, "How does the old bachelor? I hear he is fick." "He was fick, but he is well enough now; he was buried vesterday." " Dear me! I never heard it; how has the old curmud-geon left his estate?"—" To the Pennsylvania hospital." No more is faid about me-they pass on to other chat, After three days, I am no more remembered, than if I had never existed-except by the managers of the Pennsylvania hospital. No widow to be visited and comforted for the loss of me: no children to keep my name and memory alive in the world, and to talk of their father some ten or a dozen years after my decease: no elegies, either in verse or prose, to celebrate the virtues I never possessed, or apologize for the faults I really had; not even a paragraph in a news-paper to announce my departure-Yes, I had fome comfort in supposing that my name might creep into the fag end of your magazine, under the lift of deaths, with a declaration that I had left my estate to the Pennsylvania hospital.

Such was the difmal train of ideas that prefented to my imagina-

tion. My diforder increased. My life was despaired of. Some half a dozen fecond and third cousins came to fee me. They difgusted me with their officious, overacted kindnesses. "Why did not you fend, my dear cousin, to let me know you was fick?" cries one. "I never heard a word of it till this morning; I came the moment I was informed of your danger," fays another ;- "Do take this, pray try that there is no-thing better for a fever; I have known it do wonders; mr. Such-aone was given over by the doctors, and recovered by the use of it."-Another of my very loving relations fat down by my bed fide, and with a difmal face, began to expatiate on the uncertainty of life; and then, after a few common place observations, and half a dozen hems and haws and inward groans, he came to the main point he had in view,-"I hope, my dear cousin, said he, that you have fettled your worldly affairs; your loving relations expect it of you -I hope you have made your will -these things had better not be delayed—It will be an eafe to your mind, when that necessary business is done, and you will not die a bit the fooner for having completed it. We all hope you may recover. God grant you may! but, as we are all mortal, and know not how foon we may be called upon, it is prudent to provide against the worst." I told him that my will was already made, and that I had no inclination to alter it, They continued to teize me with unremitting cruelty. My strength was fo exhausted that I could not scold. and storm and swear, as I wished to do. I fretted inwardly-My phyfician too was in league with my coufins; he denied me every thing I defired, and forced upon me every thing I loathed and abhorred. My fituation was truly deplorable-I earnestly wished for a draught of cool

water-I requested it in terms of the most pathetic folicitation; but in vain. At length, however, I prevailed on an old negro wench, who is not worth a farthing, and yet the most valuable servant I have, to convey privately to me a tankard of water fresh from the pump. I drank it off greedily. It threw me into a profuse sweat, and a deep sleep. It saved my life. I began to recover from that time. No fooner was I out of danger, but my loving coufins, who had not been to fee me for four years preceding my illness, left me with one consent; and it is very probable, they will not come to fee me again for four years to come. Heaven grant they may not !- But I fancy I need not be under any apprehensions on that score, as they will discover by this paper, that I have left my estate to the Pennsylvania hospital.

Such is the forlorn state of an old bachelor; sick or well, there is none that will do him a service, or even a common act of civility, but from the most interested motives. I sometimes wish I had been married when I was young; but when I look round amongst my acquaintance, and see an insulting tyrannical wise, a reprobate spendthrift son, and a daughter running off with the first vagabond that offers, I hug myself in my solitary state, and bless my stars, that I did not marry when I was young.

Upon the whole, I find so many reasons to wish I was a married man, and see so many reasons to rejoice I am not, that I am like the pendulum of a clock, hanging in suspence, and perpetually vibrating between two opinions. Notwithstanding all the fine things that have been said, time out of mind, about the married state, I am persuaded that he who marries, must venture boldly. It is not a subject that will bear much reasoning upon. Ninety nine times

out of a hundred, it is passion, not reason, that points to matrimony. Should a man, before he engages, call up to his view all the disasters, troubles, and inconveniences, which probably may, which certainly must, occur in the married state, he would never have courage to undertake the task. In my youthful days, I fancied myself in love two or three times. I even made considerable advances towards a courtship; but I reasoned too much on the consequences, and therefore remain, as you see, a fretful old bachelor.

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Conjectures on the causes of the carthquakes of New England.

Continued from page 306.

IN this enquiry into the causes of earthquakes, it is not my design to enter into a particular discussion of the several hypotheses philosophers have assigned, as accounting for the production of such phenomena. I mean to consider the subject no further than it has relation to the earthquakes of New England, and what may be gathered, as to their causes, from the preceding history and remarks.

From the phenomena and observations that have been mentioned, we may fafely infer, that the earthquakes of New England have been produced by fomething which has moved along under the furface of the earth. Whatever may have been the case in other places, all the earthquakes of this country, fo far as we have any accounts of them, have been of the fame kind; confifting, not of a fimple instantaneous vibration, like that of an electrical shock, but of a gradual heaving, fwell, or undulation of the earth. This has moved along in much the fame path, with a motion not very swift; and it has reached

deep enough below the furface of the earth, to affect and diffurb the fountains, springs, wells, and pits of water. These phenomena are effects, which would naturally lead us to conclude, that the causes, whatever they may be, had their feat, rife and operations under the furface of the earth. And this conclusion from the phenomena, is strongly confirmed from observation. For the shocks have come on. rose to their greatest height, and gone off, to all appearance and obfervation, as if they had been occafioned by the rolling of fome folid body under the furface of the earth. In this manner professor Winthrop describes that which happened November 22, 1755 :- "I was then," favs he, " fitting on a brick hearth: and the fenfation excited in me, was exactly the fame as if fome finall folid body, by moving along un-der the hearth, had raifed up the bricks fucceffively, which immediately fettled down again."* The fame observation has been frequently made by others; and is agreeable to all the accounts that can be collected. And from these accounts of the several phenomena of the earthquakes. and the observations that have been made upon them, I think we may lay it down as a pretty certain fact, that the earthquakes of New England have been caused by something which has moved along under the furface of the country.

What thus moved under, and hove up the furface of the earth, was probably a strong elastic vapour. This is inferred from the phenomena that have attended the earthquakes.

Among these phenomena, there were some that preceded the earth-quakes, and looked like a previous preparation. In the earthquakes of

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1727 and 1755, in particular, it was evident, that the causes by which they were produced, were at work feveral days before they became ripe for an explosion. As though some grand fermentation was taking place in the howels of the earth, the water. in feveral wells and springs, was uncommonly altered in its motion. colour, finell and quality. This was observed three or four days before there was any earthquake. Nothing could better agree with the origin and production of a fubterraneous elastic vapour, than this circum-For however fuch a vapour be generated, by mixture, fermentation or fire, it would require fome previous preparation, for its production, or before it would be collected in sufficient quantities to cause an explofion, or acquire sufficient force to move and shake the furface of the

The noise or roar, occasioned by the earthquake, has always been fuch as might have been expected from a subterraneous vapour, when fiercely driving along under the furface of the earth. What report might be expected from a strong elastic vapour, when its motion is confined and directed by a particular channel or passage, we may learn from that of a blazing chimney. The action of fire, when turning the inflammable material, with which the chimney abounds, into flame and vapour, produceth a noise or roar of a very particular kind; and which feems to be different from almost any other: and there is nothing to which the report of our earthquakes is more finilar, or has been more often compared.

There is also an apparent agreement between the effects of a subterraneous vapour, and the kind and motion of the shocks. When the materials, from which a subterraneous vapour is produced, lie promiscuously mingled and blended toge-

^{*} Lecture on earthquakes, p. 12.

ther, the effect of an explosion would be a violent ebullition, or blast upwards; tearing and rending a circle of earth, all around. This seems to have been the case in the earthquakes of Sicily, Lima and Jamaica. When the vapours can have a regular difcharge through any aperture in the furface of the earth, they will vent themselves in copious effusions and exhalations, and thus spend their force this way, as they gather strength from time to time. Thus it has been with Hecla formerly; and with Vefuvius, Ætna, and other volcanoes now. But when the vapours are confined under the furface of the earth, and have subterraneous passages, or proper strata, for them to run in, by the violence of their expansion, they will heave up the furface of the earth, and thus cause, not an instantaneous concussion, but a progressive swell or undulation of the earth. And this will be continued till the vapours, thus confined, find or force for themfelves a passage, where they may burst from their caverns, and discharge themselves into the open air. And these are phenomena in all respects agreeing with those that have attended the earthquakes of this country.

The strength and force of fuch a vapour, would be sufficient to account for the violence of any shocks we have had. A very great force must be requisite to heave up, and cause a progressive swell in the furface of the earth, and this, perhaps, from some depth below. And with what force fubterraneous vapours may be attended, we may form some idea from their effects. In those which have shook Vesuvius and Ætna, it has been no uncommon thing to fee them throw up at once, fuch clouds of fand, ashes, and pumicestones, as are capable of darkening the whole air, and covering the neighbouring country with a shower

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of dust, &c. to many miles distance. Great stones, also, of some tons weight, are often thrown to the diftance of two or three miles, by fuch explosions. Monf. Bouguer tells us, that " he met with stones in South-America, of eight or nine feet diameter, that had been thrown from the volcano Catopaxi, by one of these blasts, to the distance of more than three leagues." In Ulloa's account, the whole plain, near Latacunga, is faid to be full of pieces of rocks, fome of which were thrown, from the same volcano, to the distance of five leagues.† If fubterraneous vapours, when they had nothing to confine them, have acted with fuch force, we may eafily conceive that they must heave up, and cause a progreffive swell in the surface of the earth, when their force was confined, and their motion directed by a par-

ticular passage. The eruptions and effusions that have attended our earthquakes, have also borne strong marks of subterra-neous vapour. That a vapour of fufficient force to shake and move the furface of a whole country, should break out in many places, where it came near to the furface of the earth, is agreeable to the prefumption of theory. Thus it has been with several of our earthquakes. In that of 1727, there was an eruption at Newbury, attended with an effusion of fand, containing small mixtures of fulphur, and a very noxious, ill-scented vapour. Strong sulphureous fmells were observed in other places; and, as fome supposed, there were also appearances of flame. In the earthquake of 1755, there were eruptions at Scituate, Pembroke, Lancaster, &c. with large ef-

fusions of fand, probably of a fulphu-NOTE.

† Phil, Tranf. for 1760, p. 592, K

reous nature. Whether this was the cafe with any of the other earth-quakes, the accounts are not particular enough to determine. But in these, both the matter and smell attending theoruptions, afforded strong marks and evidence of subterrane-

ous vapours. The earthquakes of New England have also made such alterations in the bowels, and upon the furface of the earth, as a strong subterraneous vapour would produce. Very confiderable alterations might be expected in the bowels, and upon the furface of the earth, and in the system of springs, fountains, currents, and streams of water, from a vapour of fuch force as to break through the surface of the earth, and of fuch extent as to reach from one country to another. Such effects have always followed the larger shocks. In that of 1663, incredible alterations are faid to have been made in the furface of the earth at Canada, for many leagues through the country. Rocks and mountains were, in fome places, thrown down, and confiderably removed; and the channel in fome parts of the river St. Lawrence, was very much changed and altered. In those of 1727 and 1755, the furface of the earth, in some parts of New England, was confiderably broken and changed; and the whole system of fountains and springs, was greatly affected. Great alterations were made in wells, ponds, fountains, and currents of water: fome were dried up, others opened; new ones produced, and, in many, the kind, quality, and quantity of the water was greatly changed—alterations in all respects similar to what might be expected from fubterraneous vapours fiercely driving along under the furface of the earth, with a force fufficient to move and shake so large a part of its surface.

This opinion agrees also with the

effects which the earthquakes have had on the water. The earthquakes of New England have been felt not only upon the land, but also upon the fea. Several veffels, which have been upon the coasts at the times of the larger shocks, have been very fenfibly affected. To the people on board, the shocks seemed as if the veffels had ftruck upon a rock; or rather, as if fomething had thumped against their bottoms. This, it is probable, was the very case; and is agreeable to what might be expected from the operation of subterraneous vapours.

The earthquakes moved with a velocity sufficient to communicate the same kind of motion to the water that they did to the earth; and thus caused a very deep, large, and extenfive swell or wave. This wave, arising from the bottom, rolled along with much the same velocity as the earthquake moved: the effect of which, when it came to a vessel floating upon the water, would be a very considerable stroke or thump against the bottom-more or less violent, according to the violence of the shock, and the depth of the water. And in this manner have vessels, upon the coast, been affected; - fome scarce perceiving it; others not at all; while to others it was pretty violent.

There have been other effects upon the water, such as a surprising flux and ressure of the sea—extraordinary agitations and commotions of the waters—an uncommon destruction of fish, &c. These effects have not been common, and never but at a considerable distance from the coast of New England. And they seem to be plain and evident marks and effects of the discharge of the subternaneous vapours, at the bottom of the sea. Such a discharge, when small, would be sufficient to occasion the destruction of such sisk were

mear it: and when large, would put an end to the earthquake, and produce the most extraordinary agitations and commotions of the sea, by a furious eruption of vapours at its bottom; which would immediately force their way through, or carry up before them, the whole body of water that lay over them.

And thus as to the conclusion :- It might be naturally expected, that as the vapours, by which the earthquakes were caused, were some time in growing ripe, fermenting, or in a state of previous preparation, they would not be wholly fpent or difcharged at once, but leave fmall remainders at particular places. Thus it has proved in all the great earthquakes we have had. The vapours, by which they have been produced. have not been wholly spent at the first shock: but what has remained, and what has gathered after a great explosion, has produced various small shocks in several places, for some time after the great ones :- thus wasting and evaporating by little and little, as they were collected and prepared at first; till, by degrees, all has become quiet again.

Such have been the phenomena that have attended the earthquakes of New England.—And to me, they appear to be fuch, as (viewed either together or apart) make it highly probable, that what moved under, and hove up the furface of the earth, was a strong elastic vapour.*

The origin or production of fuch a vapour, may be accounted for from the contents of the earth. Much the largest part of the contents of the

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*From the phenomena which have been mentioned, it feems probable, that this elastic vapour was a sluid, of the same nature as that which is now called inslammable air.

earth, will always remain hidden from our view, and beyond the reach of our knowledge. We have, however, penetrated far enough below its furface, to find, that many of the bodies it contains, are of such a texture, or contain particles of fuch a nature, as to generate, or he eafily turned into vapour. This is the case with coals, falts, fulphur, nitre, air, water, most kinds of minerals, and all fuhstances which contain oily particles. Such bodies, at least some of the particles they contain, are eafily and often turned into a very frong, fubtle, elastic vapour. With some, nothing more is necessary to generate a very powerful vapour, tl.an a bare mixture of different bodies. Thus equal quantities of powdered sulphur and iron filings, being mixed with water, foon become too hot to be touched: and in a little time emit flame and vapour. And if iron, oil of vitriol, and water, become mixed together, there will instantly arise a violent ebullition, with fumes copiously exhaling; and which are so very inflammable, that if fet on fire, they go off at once with a loud explosion. The fame is also effected by fermentation. Inflances of very flrong elaftic vapours, produced this way, are fo common and obvious, that particular cases need not be mentioned. All feparable, mixt and compound bodies, may be the subject of this operation: and the easier they are separable, whether by means of water, air, or heat, the more readily they ferment.-And when they do ferment, they will produce a vapour more or less strong, according to the quantities of the fermenting matter, and the degree of the fermentation. But in no method is a more powerful vapour produced, than by fire. What an amazing effect will a small spark of this have on nitre and sulphur, when made up into fuch a compolition as that of gunpowder! How

fmall a quantity of this powder. when on fire, will generate a vapour of sufficient force to burst the firmest rocks! Air, by the application of fire, becomes so elastic, as to break through all opposition.—And there are many effects produced by the vapour of water, when intenfely heated, which make it probable, that the force of gunpowder is not near equal to it. And, in general, all combustible bodies are capable of being turned into vapour, by the action of fire. - And fire feems to be a fluid, which is spread through almost all bodies whatfoever. It certainly exitts, in very large quantities, in the bowels of the earth. Some parts, as the volcanoes, are actually burning, and have been throwing out fire, flame, fmoke, cinder, rocks and lava, for many ages. And where there are no fuch appearances of it, it exilts, and is diffused ingreat quantities. That this is the case, is evident from hot fprings, the warmth that is always found in deep mines and pits, and those burning mountains that have been thrown up from the bottom of the fea. And when collected into large quantities, its effects on water, air, the fumes of fermenting minerals, and all kinds of combustible bodies, would be to generate a vapour more or less strong, according to the quantities of minerals of which it was composed.

Thus, in the contents of the earth, we find sufficient materials for the production of the most strong, active, and powerful vapour; and such materials as do, in fact, produce most terrible volcanoes, vapours that have hove up, and broke through the surface of the earth, and earthquakes that have shaken the whole country, for twenty miles around Vesuvius and Ætna. And such explosions and concussions are what all those countries are subject to, which abound with sulphur, nitre, and such combustible materials,

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As the contents of the earth will account for the origin, the structure of it will account for the motion and direction of a subterraneous vapour. Were the globe a perfect folid, there could be no motion of a subterraneous vapour under its surface. But this is not the case. Instead of being a perfect folid, the earth is of a cavernous structure; containing various pits, holes and caverns. Some of these are dry; others are fountains, or contain currents of water: and others abound with the fumes of fermenting minerals, and with various kinds of vapour and effluvia. That the earth is thus of a cavernous structure, is evident from the mines. fprings, and currents of water, that are found below its furface, in every country, and in almost every place. 'And it is probable, that many of these subterraneous caverns may be of a great extent; fome running in a direct, and others in long, crooked, unequal passages. And by thus winding, meeting, croffing and mixing with each other, they may form communications between very distant parts of the earth. The manner in which the folid and fluid parts of the earth are disposed, is also worthy of remark. In some places they are found promiscuously mingled and blended together, in a manner which has no apparent order or regularity. In other places, the various kinds of folids appear to be disposed with the utmost apparent regularity, in the form of different and distinct strata of clay, coals, falts, fulphur, minerals, &c. It is thus also with the fluids; in many places, they are regularly collected into quantities, or fountains, within the bowels of the earth; in others, they are constantly and regularly moving in perpetual streams and currents: fome of which are charged with fulphureous particles; others with those of iron; and others, with various other tinctures and mixtures.

And from this structure of the earth, the motion of a subterraneous vapour would receive its direction. For vapours, generated and increafing in the bowels of the earth, if they found no vent upwards, must naturally take their course and rush fiercely along under the furface of the earth, according as they found subterraneous passages or strata, of proper materials to conduct them .-And it feems as if something of this nature must be the case in this part of America. That there should be a particular part of the country, as to width, to which the earthquakes of New England have repeatedly reached-that they should all be of the fame kind-come from the fame point-and proceed in the same path; these phenomena cannot be supposed to be the effect of what is called chance or accident. It is evident there must have been something which ferved as conductors. If fubterraneous passages, of such extent as these earthquakes, should be admitted, it would be difficult to account for the width of the earthquakes, on that hypothesis. The more probable supposition seems to be, that there are fome particular strata, which have ferved as fuel or conductors to the vapour. And that this was the case, seems further probable from the fulphureous mixtures that have been thrown out at the different eruptions. Instances of these eruptions are mentioned in the accounts of the earthquakes of 1727 and 1755. And they are such as make it probable, that there is some particular stratum under the furface of the country, which has ferved and will ferve to direct the motion of the subterraneous vapour, from the places of its origin, to that of its grand final eruption.*

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* Such strata are not at all uncommon. Many countries are known to

On this account of the causes of the earthquakes of New England, it may not be amiss to remark, that part of it feems to be matter of fact. and part matter of conjecture. As the causes lie out of fight, and bevond the reach of observation, we have no way to come to the knowledge of them, but by general reafonings from the phenomena that fall under our observation. These phenomena, I may venture to fav. have been fairly related:—but whether the inferences that have been drawn from them, are just—the conjectures, such as are probable—the

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abound with, and to be distinguished by them. "We have an instance of it in the chalky and flinty countries of England and France, which (excepting the interruption of the channel, and the clays, fands, &c. of a few counties) compose a tract of about three hundred miles each way." Phil. Trans. for 1760, p. 587. The volcanoes in the Andes, are in all probability derived from the fame stratum of combustible minerals; the extent of which cannot be less than five thousand miles-for so far do the mountains and volcanoes extend. And thus in North America, if we may give credit to L. Evans, in defcending from the mountains which adjoin to the western lakes, the same fets of strata, and in the same order. are generally kept up.

In fome countries, earthquakes have ceased upon the breaking out of volcanoes. If there were volcanoes in this part of America, which might ferve to interrupt the stratum. and as a vent for the subterraneous vapours to discharge themselves, it is probable the earthquakes of New England would not run in fuch a regular manner, through fuch an ex-

tent of the country.

conclusions, well supported—and the evidence, such as might have been expected—these are submitted to the judgment of others. Hypotheses may be of use to put us upon further enquiry, and a more critical examination; but are never to be received, any further than they are supported by proper evidence.

General reflections on earthquakes.

HE preceding accounts, obfervations and conjectures, have been confined to the earthquakes of New England. But they will naturally lead us to fome general reflections on the nature, use and effects of these formidable phenomena. Thus,

If we are right in our conjectures on the causes of earthquakes, we may conclude, that the globe always has been, and will be subject to such concussions. From the earliest ages, of which we have any accounts, this has been the case. Many parts of the earth bear the marks of great and furious eruptions; not a few of which, were prior to all historical monuments and records. The eruptions of the noted Ætna, may be traced back an hundred years before the fiege of Troy.* Vefuvius was a volcano before the foundations of Herculaneum and Pompeii were first laid. These cities were covered by an eruption of Vesuvius, A. D. 79. Their foundations and pavements are all of that melted and vitrified fubstance called lava, which Vefuvius had thrown out ;--which is a proof of great eruptions, prior to the foundations of these cities. + How long these volcanoes, or those in Iceland, the East-India islands, and South-America, have been burning,

we have no history or tradition ancient enough to inform us. Many of their effects bear the marks of more furious cruptions than any there have been in modern times. The foil for more than twenty miles round Naples, by its cinder, stones, burnt matter and lava, appears to have been the productions of very ancient fubterraneous fires, earthquakes and eruptions. The Appeniues, a chain of mountains which divide the continent of Italy from north to fouth, and extend even to Sicily, discover many tokens of an internal fire; and were judged, by that celebrated philosopher, M. de la Condamine, to be a chain of ancient volcanoes. This is also the case with that long chain of mountains in South-America, known by the name of the Andes. These mountains run from 45° fouth latitude, to feveral degrees north of the line, and also throughout all Mexico; being, according to Monf. Bouguer's account, five thoufand miles in extent. The feries of volcanoes, formed by these mountains, is interrupted: many are totally extinguished; and there are many which are still burning; and many of the ancient ones frequently burst out again. Several of the West-India islands, the Azores, Tenerisse, and most mountains, either contain volcanoes, or, by the vestiges of calcination and vitrification, thew the former effects of them .- And as feveral islands and mountains have been funk, fo we have authentic accounts of feveral that have been thrown up from the bottom of the fea, by fubterraneous fires. Such effects, with the relations of history, afford plentiful evidence, that the globe has always been subject to and greatly af-

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NOTES.

|| Phil. Trans. for 1771. Art. 1. † Condamine's travels into Italy.

^{*} According to M. D'Orville.

⁺ Phil. Trans. for 1771. Art. 1.

fected by fubterraneous fires, earth-

quakes, and volcanoes.

The fame causes which have produced such effects on the surface, are undoubtedly still existent in the bowels of the earth. Proper periods of time may be requifite for them to grow ripe, or gather strength fufficient to cause an explosion or earthquake. But as the materials from which fubterraneous vapours are formed, constantly exist in the bowels of the earth, they will be as constantly fermenting; and thus increafing the quantity and force of the vapours, till they shall become fufficient to break through all oppofition, and force for themselves a paffage thro' the earth. And although they may in fuch ways be discharged from time to time-yet, fo long as the fame powers thall fubfift in matter, new vapours will be produced; and, of consequence, the same effects, after proper intervals of time, will again take place. Nor are they to be viewed as marks of any diforder or irregularity in the works of na-For.

Notwithstanding all their terrible effects, earthquakes from to be a neceffary confequence of fuch laws of nature, and powers in matter, as are, upon the whole, greatly beneficial to the globe. There is no phenomenon in the whole course of nature, so formidable as that of an earthquake. Nor is there any that has spread more universal horror, calamity, and defolation. History, ancient and modern, abounds with accounts of large countries that have been shaken-whole cities that have been funk and covered-and immense numbers of mankind that have been destroyed, by these dreadful convulsions of nature. In the earthquake which shook Sicily, in the year 1693, fifty-four cities and towns, with an incredible number of villages. were either destroyed or greatly da-

maged, and about fixty thousand perfons perished. In that at Jamaica, in 1692, almost the whole of Port-Royal was fwallowed up, and large numbers of its inhabitants buried in its ruins. And in the earthquake at Lima in Peru, in 1746, all the buildings in that city, and in the port of Callao, except about thirty. were funk, or laid in ruins, and great numbers of people destroyed-four hundred and fifty-one shocks, many of which were equal to the first, fucceeding in the space of four months. The destruction of Lisbon, by the earthquakes in 1755, was also attended with the most tragical scenes of defolation, death and mifery. And yet, notwithstanding all these dire effects of earthquakes, it is very possible, that the laws and causes from whence they arife, may be a necessary provision, and a real advantage to the globe. The power of gravity, the wind and water, rain, heat, and cold, have occasioned the destruction of vast numbers of mankind: and yet they are a general advantage to the earth, and to its inhabitants, and fuch an advantage, that no creature could live on this globe without them. And fince they produce an overbalance of good, they are to be esteemed advantageous and beneficial upon the whole; although in fome particular cases, they may be attended with very dangerous and fatal effects. This, it is probable, is the cafe with all the laws, powers and operations of nature; and with all those agitations and concussions to which the earth is subject.

To enumerate all the ends to which these formidable phenomena may serve in the natural world, would require higher degrees of knowledge than it is probable we shall ever have of this subject. And yet, perhaps, we may see enough to convince us of the wisdom and benevolence of the Creator, in making the globe sub-

ject to fuch concussions. These extensive and powerful agitations tend to weaken the attraction, loosen the parts, and open the pores of the earth; and thus to fit and prepare it for the purposes of vegetation, and for the various kinds of produce that are necessary for the support of animal life. Were an insuperable bond of attraction to take place on the furface, or in the bowels of the earth. without fomething to oppose its power, fluidity, motion, vegetation, and all nature would be at a stand. The power of gravity tends to this: and hence we find it necessary, by the operations of agriculture, to break the furface of the earth, to loofen its parts, and open its pores, and thus weaken its attraction, that it may be fit for the production of fuch fruit and grain as we want in the course of the year. An earthquake performs that in the bowels of the earth, which the various methods of agriculture perform on its furface. And it is probable, that the former is equally necessary to the purposes of vegetation, as the latter. And, what feems to confirm these conjectures, it is observable, that those places which are most subject to earthquakes, are the most noted, cateris paribus, for the fruitfulness of their foil, and the plenty of their produce. Thus Italy, Peru, Manilla, and especially Ætna and Vesuvius, places greatly subject to earthquakes, are celebrated for an uncommon fertility. There are other important ends which may be anfwered by earthquakes. Those subterraneous vapours, by which they are caused, seem necessary to prevent the inward parts of the earth from becoming too dense, compact, and hard, in consequence of their attraction. And when these vapours are sollected in large quantities, it may be necessary to have them discharged into the atmosphere, to prevent a diffolution of the globe through the force of their elasticity or repulsion. It may also be necessary to have new fubterraneous passages opened-old ones diverted from their former courfes-and new communications established between different countriesthat all parts of the earth may be fupplied with fuch kinds and quantities of water and air, as the growth of bodies, in the bowels and upon the furface of the earth, may require; and that the folid and fluid parts of the earth may be kept in their due place, connection, and order. And. in general, we may prefume, from the analogy of nature, that there may be, and no doubt are, many ends and uses to which subterraneous fires and earthquakes may ferve, of which we have as yet no ideas or conjectures. But however these things may be,

It is probable, that our knowledge of this subject will increase, as all other branches of natural knowledge have done, and by the same means, observation and reasoning. In the contents and structure of the globe, the Creator of it feems to have made provision for the production of subterraneous vapours and explosions. Earthquakes may of confequence be expected, at proper intervals of time, in every country and climate, fo long as the earth shall continue to exist in its present form. As these events happen, posterity will have opportunity to examine their phenomena, to note their effects and operations, and to mark all their differences and agreements: and, of consequence, they will be obtaining more and more infight into their nature, causes, and effects. The methods of reasoning which are now happily introduced into philosophical subjects, though their effects may be flow, are yet certain and progressive. Every age will be doing something for the next.-And the feveral philosophical focieties already established, by collecting

and recording observations, are, and will be, providing materials for the ages that are to come.-And when a fufficient number of observations shall be thus collected, inferences may be drawn, and conclusions may be formed from them, of which, as yet, we have not the least thought or suspicion. It has been thus in all other branches of philosophy: and the same accuracy of observation and reasoning, when applied to the philosophy of earthquakes, will probably bring to light things, of which we have now no knowledge or conception.

From any knowledge we yet have of the nature and causes of earth. quakes, nothing would appear more romantic, than to attempt to predict when fuch formidable concussions will happen. We know so little of their causes, much less when these causes will have collected sufficient force to burst forth and shake the adjacent country, that we have no way to form any rational conclusions as to the time when an earthquake will happen, from any inferences founded on the knowledge of the nature and operations of their causes. Nor can we receive much, if any, help from any preceding figns :- I do not mean those which fear and superstition have formed; but from any regularity of their periods-flate of the atmosphere-uncommon motion of wells, fprings, and the like. For if there is any connection between things of such a nature, and the happening of an earthquake, it is what we do not understand.

But our ignorance of these things ought not to be made an argument, that there is not in reality any regularity or order in these events; or that it will always be impossible to discover so much of the nature and operations of natural causes, as todifcern the fame fimplicity, order and harmony, in the feveral pheno-

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mena of earthquakes, as are apparent in many other works and operations of nature. In all those works of nature, of which we have any tolerable conceptions, stated laws, and a steady regard to them, have been observed. And this has been manifest and apparent in the same degree as our knowledge of any subject has been advanced. There was a time when univerfal confusion and disorder were supposed to prevail in the courfes, motions and appearances of the heavenly bodies. But as the knowledge of the true astronomy increased, the must perfect order, harmony and proportion have been difcovered in the motion and appearance of every flar, planet and comet. And it is now well known, that all the supposed irregularity in any of these bodies, was nothing more than want of knowledge, and confusion of ideas in the observer. If we may reason from analogy, the conclusion will be, that it is the same in all other cases. It can hardly be doubted, therefore, but that there is the fame harmony, rule, and order—the fame general and stated laws, in the causes and operations of earthquakes, as there are in all other events of nature. No reason can be assigned why these alone, of all the works of God, should be made up of irregularity and confusion. It must, therefore, be supposed, that earthquakes (like all other events that depend on natural causes) are subject to certain and determinate laws and ruleswhich are in themselves constant, regular and harmonious, whether thefe laws, or this regularity, are known tous or not.

The ancient Egyptians and Chaldeans, by a long course of observations, are faid to have been able to foretell the appearance of comets, and the approach of earthquakes.*

NOTE.

Diod. Siculus.

The greatest philosophers have supposed their predictions of this kind were founded not on any knowledge they had of the laws and powers of nature, but on the vain arts of judicial astrology. This might be the case. It is, however, to be wished, that we could be a little more certain what knowledge the Egyptians pretended to in this matter. It is well known, that the sciences were much cultivated among that discreet people. Geometry and astronomy, if they were not begun, received very great improvements from them. The Greeks had all their astronomical learning from Egypt. Pythagoras got the knowledge of the true fystem of the universe from the Egyptian priests. And their advances in feveral parts of the mathematics, were great and uncommon. How far they were acquainted with the astronomy of comets, I am not able to fay. Some of the Chaldeans, and Pythagorean philosophers, taught many things as to the nature, orbits and revolutions of comets; which, though long difregarded, modern astronomy has adopted, and abundantly confirmed.* And that there was nothing impossible-nothing romantic, in attempting to predict their appearance, the great Halley has fully demonstrated. And whether they might not have fome knowledge as to the philosophy of earthquakes, which, thro' the ignorance and barbarousness of after ages, might be loft to the world, feems worthy of enquiry.

But however this may have been, it is at least possible, that regularity, order and laws may be discovered in these, as well as in other works of nature. It is, indeed, but very little that is yet known of the nature,

NOTE.

* Gregory's aftronomy. Book v. fect. 1.

causes and operations of these events It will, probably, require the observations of many ages to digeft and form them into a proper system. And a long course of observations may open new scenes to posterity, and enable them to form conclusions-I had almost faid predictions-which to us would appear wild, abfurd and ridiculous. To me there appears as much ground for fuch a conjecture, as Seneca had feventeen hundred years. ago for his, relative to comets; but which has literally been fulfilled.+ But leaving these things to the ages that are to come,-

From contemplating these mighty works of nature, a philosophic mind will naturally rife in admiration and reverence, to the first great cause of all! In all the works of nature, we find plain marks of that wisdom, power and goodness, with which the whole plan, frame, and constitution of it, was first formed and adjusted. As all natural effects take place in consequence of causes and laws derived at first from God, true philosophy agrees with the holy scriptures, in ascribing all such events to his agency. It was no doubt with a view ultimately to moral purposes, that the laws of nature were first established: and nothing can be better adapted than many of their operations, to awaken and direct the attention of mankind to the supreme Governor of the world. By the operation of natural causes, the Deity often

NOTE.

+ " A time," faid this excellent philosopher, " will come, when those things which now lie hid, will at last be brought to light, by length of time and the diligence of posterity: for it is not one age that is sufficient to make fuch great discoveries." Seneca, Nat. Quest. lib. vii. chap. 25. May we not venture to fay the fame, of earthquakes?

" ariseth to shake terribly the earth."
" He looketh on the earth, and it trembleth: he toucheth the hills, and they smoke." " He removeth the mountains, and overturneth them in his anger." " The pillars of heaven tremble, and are astonished at his reproof."

Amidst such convulsions of nature, strong impressions of the power and majety of God, will naturally take possession of the human mind. Mankind will see and feel their dependence upon their Creator—with the wisdom, benefit and advantage of such a steady course of virtue, as leads to an habitual trust in his providence and protection. Such unusual and great events will powerfully awaken their attention to morals, and thus promote the advantage, although it may occasion loss and terror to mankind.

To pretend to be above fear, or to attempt to be unmoved with fuch concussions of nature, would argue, on the one hand, a folly or a pride unworthy a philosophic mind: and on the other, to give way, at every fuch event, to such confusion of thoughts and passions, as leaves no command over the mind, is a weakness as much as possible to be avoided. Of this we may at all times be certain-the present frame of nature will sublist so long as infinite wisdom and goodness see it to be fit. no event will ever take place in the natural world, which was not forefeen by him who is the Author of nature, and defigned to answer some wife and benevolent purpose. Of his favour mortals may be fure, so long as they maintain a steady regard to the rules of virtue. This will always be productive of fafety and happiness; though the immediate effect of the present convulsions of nature, will probably be as the poet fays, Terra tremit: fugêre feræ, et mortalia

Per gentes humilis stravit paver.

Circular letter, from the speaker of the house of representatives of the prowince of Massachusetts bay, addressed to the speakers of the legislatures of the other provinces.*

Sir. Boston, Jane, 1765.

THE house of representatives of this province, in the prefent feffion of the general court, have unanimoufly agreed to propose a meeting, as foon as may be, of committees, from the houses of representatives or burgesses of the several British colonies on this continent, to confult together on the present circumstances of the colonies, and the difficulties to which they are, and must be reduced, by the operation of the acts of parliament for levying duties and taxes on the colonies; and to confider of a general and united, dutiful, loyal, and humble representation of their condition, to his majesty and the parliament, and to implore relief. The house of representatives of this province have also voted to propose, that fuch meeting be at the city of New York, in the province of New York, on the first Tuesday in October next; and have appointed a committee of three of their members to attend that fervice, with fuch as the other houses of representatives, or burgesses, in the several colonies, may think fit to appoint to meet them, And the committee of the house of representatives of this province, are directed to repair to faid New York, on faid first Tuesday in October next, accordingly.

If, therefore, your honourable house should agree to this proposal, it would be acceptable, that as early notice of it as possible, might be transmitted to the speaker of the house of representatives of this province.

NOTE,

* This letter gave rife to the meeting of the first American congress. - C.

Declaration of the rights of the colonists of America, as agreed to by the first American congress, at New York, October 19, 1765.

HE members of this congress, fincerely devoted, with the warmest fentiments of affection and duty, to his majetty's person and government -inviolably attached to the prefent happy ettablishment of the protestant fuccession—and with minds deeply impressed by a sense of the present and impending misfortunes of the British colonies on this continenthaving confidered, as maturely as time will permit, the circumstances of the faid colonies, effects it our indifpenfible duty to make the following declarations of our humble opinion, respecting the most essential rights and liberties of the colonists, and of the grievances under which they labour, by reason of several late acts of parliament.

I. That his majesty's subjects in these colonies, owe the same allegiance to the crown of Great Britain, that is owing from his subjects born within the realm, and all due fubordination to that august body, the parliament of Great Britain.

II. That his majesty's liege subjects in these colonies, are entitled to all the Therent rights and liberties of his natural born subjects, within the kingdom of Great Britain.

III. That it is inseparably essential to the freedom of a people, and the undoubted right of Englishmen, that no taxes be imposed on them but with their own confent, given per-Sonally or by their representatives.

IV. That the people of these co-Ionies are not, and, from their local circumstances, cannot be, represented in the house of commons in Great Britain:

V. That the only representatives of the people of these colonies are persons chosen therein by themfelves; and that no taxes ever have been, or can be constitutionally imposed on them, but by their respective legislatures.

VI. That all supplies to the crown being free gifts of the people, it is unreasonable and inconsistent with the principles and spirit of the British constitution, for the people of Great Britain to grant to his majesty the property of the colonists.

VII. That trial by jury, is the inherent and invaluable right of every British subject in these colonies.

VIII. That the late act of parliament, entitled, " an act for granting and applying certain stamp duties, and other duties, in the British colonies and plantations in America," &c. by imposing taxes on the inhabitants of these colonies, and the said act, and several other acts, by extending the jurisdiction of the courts of admiralty beyond its ancient limits, have a manifest tendency to fubvert the rights and liberties of the colonists.

IX. That the duties imposed by feveral late acts of parliament, from the peculiar circumstances of these colonies, will be extremely burdenfome and grievous; and, from the fcarcity of specie, the payment of them absolutely impracticable.

X. That as the profits of the trade of these colonies ultimately centre in Great Britain, to pay for the manufactures which they are obliged to take from thence, they eventually contribute very largely to all supplies granted there to the crown.

XI. That the restrictions imposed by feveral late acts of parliament on the trade of these colonies, will render them unable to purchase the manufactures of Great Britain.

XII. That the increase, prosperity and happiness of these colonies, depend on the full and free enjoyments of their rights and liberties, and an intercourse with Great Britain mutually affectionate and advan-

tageous.

XIII. That it is the right of the British subjects in these colonies to petition the king, or either house of

parliament.

Lattly, That it is the indispensible duty of these colonies, to the best of sovereigns, to the mother country, and to themselves, to endeavour by a loyal and duriful address to his majesty, and humble application to both houses of parliament, to procure the repeal of the act for granting and applying certain stamp duties, of all clauses of any other acts of parliament, whereby the jurisdiction of the admiralty is extended as aforesaid, and of the other late acts for the restriction of American commerce.

Address to the king of England agreed to by the fust American congress, October 22, 1705.

To the king's most excellent majesty: the petition of the freeholders and other inhabitants of the Massachufets-bay, Rhode ssland, and Providence plantations, New Jersey, Pennsylvania, the government of the counties of Newcassle, Kent, and Sussex, upon Delaware, and province of Maryland,

Most humbly sheaveth,

HAT the inhabitants of these colonies, unanimously devoted with the warmest sentiments of duty and affection to your majesty's facred person and government, inviolably attached to the present happy establishment of the protestant succession in your illustrious house, and deeply fenfiole of your royal attention to their prosperity and happiness, humbly beg leave to approach the throne, by representing to your majesty, that these colonies were originally planted by subjects of the British crown, who, animated with the spirit of liberty, encouraged by your majesty's royal predeceffors, and confiding in the public faith, for the enjoyment of all the rights and liberties effential to freedom, emigrated from their native country to this continent, and by their fuccessful perseverance in the midst of innumerable dangers and difficulties, together with a profusion of their blood and treasure, have happily added thefe vast and valuable dominions to the empire of Great-Britain. That for the enjoyment of these rights and liberties, several governments were early formed in the faid colonies, with full power of legillation, agreeable to the principles of the English constitution.

That under those governments, these liberties, thus vested in their ancestors, and transmitted to posterity, have been exercised and enjoyed, and by the inestimable blessings thereof (under the favour of Almighty God) the inhospitable defarts of America have been converted into flourishing countries; science, humanity, and the knowledge of divine truths, distributed through remote regions of ignorance, insidelity, and barbarism; the number of British subjects wonderfully increased, and the wealth and power of Great Britain proportionably augmented.

That by means of these settlements, and the unparalleled fuccess of your majesty's arms, a foundation is now laid for rendering the British empire the most extensive and powerful of any recorded in history. Our connection with this empire, we esteem our greatest happiness and security, and humbly conceive it may now be fo established by your royal wisdom, as to endure to the latest period of time; this, with most humble submission to your majesty, we apprehend will be most effectually accomplished, by fixing the pillars thereof on liberty and justice, and securing the inherent rights and liberties of your subjects here upon the principles of the English constitution. To this constitution these two principles

are effential, the right of your faithful subjects, freely to grant to your majefty, such aids as are required for the support of your government over them, and other public exigences; and trials by their peers: by the one they are secured from unreasonable impositions; and by the other from arbitrary decisions of the executive

p-wer.

The continuation of these liberties to the inhabitants of America we ardently implore, as absolutely necessary to unite the feveral parts of your wide extended dominions, in that harmony fo effential to the prefervation and happiness of the whole. Protected in these liberties, the emoluments Great Britain receives from us, however great at prefent, are inconfiderable, compared with those she has the fairest prospect of acquiring. By this protection she will for ever secure to herfelf the advantage of conveying to all Europe, the merchandises which America furnishes, and of supplying through the fame channel whatever is wanted from thence. Here opens a boundlefs fource of wealth and naval itrength; yet these immense advantages, by the abridgment of those invaluable rights and liberties, by which our growth has been nourished, are in danger of being for ever loft; and our fubordinate legislatures, in effect, rendered useless, by the late acts of parliament imposing duties and taxes on these colonies, and extending the jurisdiction of the courts of admiralty here, beyond its ancient limits: statutes by which your majesty's commons in Britain undertake absolutely to dispose of the property of their fellow subjects in America, without their confent, and for the enforcing whereof, they are fubjected to the determination of a fingle judge in a court unrestrained by the wife rules of the common law, the birthright of Englishmen, and the safeguard of their persons and properties.

The invaluable rights of taxing ourselves, and trial by our peers, of which we implore your majesty's protection, are not, we most humbly conceive, unconstitutional; but confirmed by the great charter of English liberty. On the first of these rights the honourable the house of commons found their practice of originating money bills, a right enjoyed by the kingdom of Ireland, by the clergy of England, until relinquished by themselves, a right, in fine, which all other your majefty's English subjects. both within and without the realm. have hitherto enjoyed.

With hearts, therefore, impressed with the most indelible characters of gratitude to your majesty, and to the memory of the kings of your illustrious house, whose reigns have been fignally distinguished by their auspicious influence on the prosperity of the British dominions, and convinced by the most affecting proofs of your majesty's paternal love to all your people, however distant, and your unceasing and benevolent defires to promote their happiness, we most humbly befeech your majesty, that you will be graciously pleased to take into your royal confideration the diftresses of your faithful subjects on this continent, and to lay the fame before your majesty's parliament, and to afford them fuch relief, as in your royal wisdom their unhappy circumstances shall be judged to require.

And your petitioners as in duty bound will pray.

Memorial to the house of lords, agreed to, same day as the preceding address.

To the right honourable the lords fpiritual and temporal of Great-Britain, in parliament affembled: the memorial of the free-holders and other inhabitants of the Maffachusetts-bay, Rhode-Island, and Providence plantations, New-Jersey, Pennsylvania, the government of the counties of New-

Caftle, Kent, and Suffex, upon Delaware, and province of Maryland,

Most humbly sheweth,

THAT his majesty's liege subjects in his American colonies, though they acknowledge a due fubordination to that august body the British parliament, are entitled, in the opinion of your memorialists, to all the inherent rights and liberties of the natives of Great Britain, and have ever fince the fettlement of the faid colonies, exercifed those rights and liberties, as far as their local cirsumstances would permit.

That your memorialists humbly conceive one of the most essential rights of these colonies, which they have ever, till lately, uninterruptedly enjoyed, to be trial by jury.

That your memorialists also humbly conceive another of these essential rights to be, the exemption from all taxes, but fuch as are imposed on the people by the feveral legislatures in these colonies, which right also they have, till of late, freely enjoyed.

But your memorialists humbly beg leave to represent to your lordships, that the act for granting certain stampduties in the British colonies in America, &c. fills his majesty's American subjects with the deepest consern, as it tends to deprive them of the two fundamental and invaluable rights and liberties above mentioned. and that feveral other late acts of parliament, which extend the jurisdiction and powers of courts of admiralty in the plantations, beyond their limits in Great Britain, thereby make an unnecessary and unhappy distinction as to the modes of trial, between us and our fellow subjects there, by whom we never have been excelled in duty and loyalty to our fovereign.

That from the natural connection between Great Britain and America, the perpetual continuance of which

your memorialists most ardently defire, they conceive that nothing can conduce more to the interest of both, than the colonists' free enjoyment of their rights and liberties, and an affectionate intercourse between Great Britain and them. But your memorialists (not waving their claim to these rights, of which, with the most becoming veneration and deference to the wisdom and justice of your lordships, they apprehend they cannot reasonably be deprived) humbly represent, that from the peculiar circumitances of these colonies, the duties imposed by the aforefaid act, and feveral other late acts of parliament. are extremely grievous and burdenfome, and the payment of the faid duties will very foon, for want of specie, become absolutely impracticable; and that the restrictions on trade, by the faid acts, will not only greatly distress the colonies, but must be extremely detrimental to the trade and true interest of Great Britain.

Your memorialists, therefore, impressed with a just sense of the unfortunate circumstances of the colonies, and the impending destructive confequences which must necessarily enfue from the execution of those acts, animated with the warmest sentiments of filial affection for their mother-country, most earnestly and humbly intreat, that your lordships will be pleased to hear their counsel in support of this memorial, and take the premises into your most serious consideration; and that your lordships will also be thereupon pleased to purfue fuch meafures for restoring the just rights and liberties of the colonies, and preferring them for ever inviolate, for redressing their present, and preventing future grievances, thereby promoting the united interest of Great Britain and America, as to your lordships, in your great wisdom, shall seem most conducive and effectual to that important endA S from dark Cromla's folitary steep,
The foam down rushes with impetuous sweep,
When dark brown night is shadowing half the grove,
And thunder rolls all terribly above;
So fierce, so vast, so terrible came on
The darken'd strength of Erin's dreadful son;
Like some strong whale the chieftain rush'd before,
While far behind the mountain billows roar,
He roll'd his might along the stormy main,
And pour'd forth valour like a stream of rain.

Like winter streams, impetuous from afar, The sons of Lochlin heard the moving war; First Swaran call'd, and struck his bossy shield, The son of Arno echo'd thro' the field:

"What, like the gather'd flies of ev'ning fill, "Comes rolling onward from the distant hill?

The stormy sons of Innisfail descend,

"Or rushing winds the gloomy forest rend:
"Thus wintry Gormal echoes thro' the skies,
"Ere in white clouds the bursting billows rise.
"Go, Arno's son, and from the mountain's head,

"View the dark valley whence the murinurs spread."
Trembling he went, and swiftly he return'd,
His eyes roll'd wild, and in their sockets burn'd;
Slow, weak, and broken were his words exprest,
His heart beat high, and labour'd in his breast.

Rise, son of ocean, view the fields-Arife, thou chief of dark-brown shields: For fee-deep moving from afar, The dark—the mountain stream of war-The car—the car invades the heath— The rapid car of gloomy death: Behold it comes all dreadful on— Cuchullin's car—old Semo's fon, Like ocean's wave behind it bends, As golden mist the heath ascends; The stone-boss'd sides shed sparkling light, Like feas around the boat of night; The beam of polish'd yew display'd, The feat of smoothest iv'ry made; The fides with glitt'ring spears are crown'd And heroes press the bottom round. Full on the right with rapid course, Behold the proudly-fnorting horse, Son of the hill (a gen'rous breed) High-leaping, strong, broad-breasted steed : His hoof, with loudly echoing found, All dreadful thunders o'er the ground; Above him spreads the flowing mane, As streams the smoke on yonder plain;

His fides reflect a beamy flame, And Sulin-Fadda is his name.

Full on the left to deeds of war,
Dufronnel hurls the rapid car,
The lofty, bounding, thin-man'd horfe,
Strong hoof 'd and matchlefs in the course.
A thousand thongs the car intwine,
In foam the polish'd bridles shine;
The thongs, which gens, bright-studded, deck,
Bend o'er each courser's stately neck:
The courser—who with slacken'd reins,
Like mist fly o'er the streamy plains;
No deer more rapid, wild than they,
No eagle stronger on her prey;
Like winter blasts their echoes spread,
Which roar from Gormal's snowy head.

And fee the chief within the car,
The strong tempessuous fon of war;
'Midst classing arms, Cuchullin dwells,
Old Semo's fon, the king of shells:
His ruddy vifage, to the view,
Shines like my brightly-polish'd yew:
Beneath his brow with darken'd mien,
The wide, blue-rolling eye is feen.
As bending on, he shakes his spear,
Behind him spreads his slamy hair:
Fly, king of ocean, sly; like death
He comes along the streamy heath.

"When did I fly!" the floring king reply'd,
"From many spears that battled at my fide?
"When, fon of Arno, from the loud affray
"Did I retire? thou coward chieftain fay:

"Dark Gormal's storm 1 met; my ways foam'd high,
"Loud rag'd the heav'ns, but Swaran cid not fly;
"Nor shall be fly—tho' Fingal's felf were here,

"The foul of swaran could not yield to fear—
"Rife to the war my thousands, croud the plain,

And pour around me like the echoing main;
Round the bright steel of gloomy Swaran stand,
Strong as the rocks, the mountains of my land,

"That meet with joy, the florms which round them "pour,

"And firetch their dark woods to the tempest's roar."
As from two hills loud thund'ring to the deep,
The darken'd storms of gloomy autumn sweep,
So sierce, so dreadful o'er the field of fame,
In swift approach the gloomy warriors came:
As from high rocks two streams of gloomy rain,
Meet, mix and foam, and roar upon the plain,
Loud, rough and dark th' embattled chiefs appear;
There Innisfail, tremendous Lochlin here:

M

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On clanging steel, the clanging steel resounds,
Men mix with men, and chiestain chiestain wounds;
Bursts forth the gushing blood, and smokes around,
And iron helmets, cleft on high, resound;
Along the sky the rushing javilins sing,
The polish'd bows remurnur to the string,
And spears fall glimm'ring like the beams of light,
That gild the dark face of tempessuous night.

As troubled noises of the ocean rise,
When the loud waves roll mountains to the skies;
As the last peal heaven's awful thunder yields,
Such is the noise of the embattled fields.
Though Cormac's hundred bards their notes prolong;
To sound the contest in immortal fong,
Weak is the voice an hundred bards could raise,
To give the slaughter to succeeding days:
Unnumber'd warriors on the field were spread,
And wide the blood stream'd of the valiant dead.

Mourn, mourn ye bards, for filent in the grave Sithallin lies, the noble and the brave:
Let fair Fiona's melancholy fights,
On the dark heaths of her lov'd Ardan rife:
Like two fair deer they stood, but ah! the steel
Of Swaran lighted, and the warriors fell:
'Midst all his thousands, Swaran roar'd aloud
Like the shrill spirit of a stormy cloud,
That dim on Gormal, sees cold death enslave
The failor hapless in the slashing wave.

Nor yet inactive flept thy hand the while, Undaunted chieftain of the mifty ifle; Cuchullin's fteel in warrior blood was dy'd, And death was round him terrible and wide: His fword the war like lightning overturn'd, When men are blafted, and when hills are burn'd. O'er heaps of dead, Dufronnel fnorted loud, And ftrong Sith-Fadda bath'd his hoofs in blood.

Behind their car appear'd the scene of death, Like groves o'erturn'd on Cromla's desert heath, When roaring winds across the plain have past, And night's dim spirits ride upon the blast.

Weep on the rocks of roaring ftorm,
O beauteous maid of Inniftore;
Bend o'er the waves thy lovely form,

For, ah! the warrior is no more.

Mourn, mourn the defert rocks among,
Thou fairer than the spirit pale,

Which on a fun beam moves along, At noon o'er Morven's filent vale.

He's fall'n! the youth is pale and low, Beneath Cuchullin's fword he lies; No more his valour's gen'rous glow, To match the blood of kings shall rise; Trenar, sweet maid, is in his tomb, The lovely youth is ever lost,

His grey dogs howl around their home, And fee his plaintive shiv'ring ghost.

Within his hall the stranger ands His polish'd bow, unstrung and bare; No sound is in his heath of hinds; 'Tis all a mournful silence there.

On comes bold Swaran with impetuous roar,
As to the rocks a thousand billows pour;
As some high rock a thousand billows braves,
So sierce Cuchullin met the king of waves.
And now death raises all his voice around,
The clashing shields mix dreadful with the sound;
A cloud of darkness ev'ry hero stands,
The sword is sire which lightens in his hands.
As o'er the anvil with tumultuous noise,
With thund'ting din an hundred hammers rise;
From wing to wing the sounds of battle siy,
And the wide fields re-echo to the cry.

Who, dark and gloomy, like the clouds of rain, With fwords of lightning, move acrofs the plain? The rocks are shook with all their shaggy moss, And hills around them tremble as they pass. Who but the king of waves, and Semo's son, (The car-borne Erin) come all dreadful on? What anxious eyes view dim upon the heath, The adverse warriors meditating death. But now within her gather'd clouds, the night Conceals the heroes, and delays the fight.

The happy man .- By the same.

BLEST with the joys impassion'd fathers know, And all that heav'n could in a wife bestow: A wife endear'd to that congenial breast, In three sweet practilers most supremely blest.

Blest with enjoyments that on wealth attend, And blest by heav'n with many a focial friend; In calm delight, whose ever-finiling rays Spread a sweet sun-shine o'er thy happy days: And blest to know, that high enroli'd in fame, Ages shall love and venerate thy name. To ev'ry friend thy mem'ry dear shall be, And sweet the song be, when they sing of thee—Oh! read this verse, where blessings all combine, And view thyself in each descriptive line.

Foreign Intelligence.



Paris, April 3.

THE fame family compact by which the king of Spain claims 24,000 men of France, authorises the emperor to demand a fimilar fuccour of 24,000 troops, or 24 millions of money, of the court of Verfailles, which fuccour was flipulated to be granted in case the emperor, or the allies he is bound to affift, are attacked. We are affured, that the count de Mercy Argenteau, the imperial ambaffador, has received fome fresh instructions from his court, charging him to represent to the king France, that he ought to grant the required fuccour of 24,000 men.

London, April 10.

The budget, which the minister intends opening on Monday fe'ennight, will shew the national finances in a very respectable point of view. The great attention paid to the collection of the various taxes, and the new regulation in the different offices, have tended to benefit the revenue in a very confiderable degree, fo much, that it is faid there will be a million furplus this year, (befides the appropriated one.) From this furplus, the expences attending the late armaments will be deducted. which were in the whole about four hundred and twenty thousand pounds; a net sum will then remain of five hundred and eighty thousand pounds, which, no doubt, mr. Pitt will apply in a manner highly beneficial to the state.

It feems at last to be generally understood, that the Spanish armaments are designed to oppose the progress of the Russian sleet. It certainly is neither the interest of this country or of France, that the Turks should be annihilated, or that the imperialists fhould fucceed in their present views; and as France cannot interfere without risking a quarrel with the house of Austria, nor our court take a part without incurring the enmity of the French, it is not in the least extraordinary, that both kingdoms should be more spectators of those operations to which they must secretly wish success.

April 12. The preparations over all the north of Ireland, for emigrating to America, are truly alarming; not lefs than fix hundred paffengers have engaged to fail aboard one veffel, the Alexander, captain Pinkerton, now lying at Londonderry.

The present minister seems determined to tax the luxuries of life—the tobacco trade is speedily to be put under excise—that will be sollowed by an excise on sugars, which must produce an immense revenue.

April 23. Letters from the continent by the last mail assure us, that the famous Paul Jones, who is at present at Copenhagen in Denmark, has made an offer of his services to the empress of Russia, which has been accepted. He is engaged on a very advantageous footing, and it is supposed will command a division in the Russian fleet.

At Covent Garden, on Monday last, cucumbers were fold at five shillings each; asparagus at nine shillings, and French beans at four shillings and fix pence, a hundred.

A letter from Vienna, dated March 24, fays, "At Chatim, a party of two thousand Turks were repulsed in an unsuccessful attack upon our troops.

"A party of Turks embarked at New Orfova, with a defign to furprise one of our advanced pickets, but were repulsed with loss.

"Count Wartensleben detached a body of Turkish volunteers, to attack a transport of two hundred borfes loaded with provisions, and guarded by one thousand of their countrymen. The volunteers acquitted themselves well, took part of the provisions, and obliged the Ottomans to retreat precipitately with the remainder."

The article in the treaty with Holland, which causes the present demur, is that which allows a free navigation to the Dutch spice islands. the minister can accomplish this, it will make his peace with the East India company, and reconcile them to all his usurpations.

The final fignature of the treaty between England and Prussia, will, it is confidently faid, be immediately followed by a marriage between the

two royal houses.

The queen is now pregnant of

her fixteenth child.

April 24. Sir William Pepperel and a committee of American loyalists had an interview on Saturday with mr. Pitt, at his house in Downing street, concerning the future provifion to be made by government for

those unfortunate people.

The parliament of Thoulouse, who have long and gallantly stood up, in defence of their privileges, exerted themselves so much of late against lettres de cachet, that orders were fent down to feize the prefident! this was done: but before the officer could convey away his prisoner, a numerous multitude rofe, and contrary to the remonstrances of the prefident himfelf, released him. In the evening, he returned of his own accord to the officer, and begged he would obey the king's commands; but the officer, alarmed by the menaces of the people, who had declared that in defence of their privileges, thus attacked, they would readily meet death, excused himself from taking the prefident along with him; and returned to Paris, to report the issue of his orders.

The articles of the last peace are thought fo ignominious in America, that our commanders have been ashamed to execute them; and all the posts on the upper lakes, which are the keys of the fur trade, and were by the treaty to be given up to the congress, are still in our possession; and, as they have been recently fortified and put in order, most probably will remain fo.

It can hardly be faid that literary propensities are diminished. There are not fewer than thirty thousand volumes upon fale this year in the different catalogues published by the London bookfellers, besides those offered for fale in the different parts of

the united kingdoms.

The intention of the Spaniards, and the account of their armaments, are so far from being unsatisfactory, that it has been notified to the court of Madrid, that no obstacle would be thrown in the way of fuch intention being carried into execution, by

the British nation.

The house of commons of Ireland, on the 8th inft. received a meffage from the lords, by two of the judges, that their lordships had passed an engroffed bill, for repealing the act of the thirty third of Henry the eighth, which restricted a native of that country from being lord deputy or chief governor of that realm, and defiring the concurrence of the house, when the honourable mr. Secretary Fitzherbert informed the house, that he was directed by his excellency the lord-lieutenant, to acquaint the boufe, that his majesty having been informed of the purport of the faid bill, had confented, fo far as his interest is concerned, that the house might do therein as it should think fit.

The question on the Irish mint is now before the privy council. The granting of it is with the preroga-

tive of the crown.

The receipt of taxes last year is faid to exceed fixteen millions ster-

ling.

Yesterday morning, between five and fix o'clock, upwards of one hundred convicts were taken out of Newgate, and fent to Woolwich till the thips are ready to carry them to Botany Bay.

The parliament of Rennes have at last registered the protestant edict

without any alteration.

The count de Chalons is recalled from exile, and the parliament of Thoulouse are ordered to Versailles.

The Turkish army, consisting of thirty thousand men, cantoned in Moldavia, and in the neighbourhood of Choczim, is in fight of the imperial army, consisting of twenty four thousand; and it was expected, by letters of the 15th of March, that an action would foon take place.

The fermentation in France increases so rapidly, and the parliaments and people are fo refolved to oppose the despotism which the minister wishes to establish, that the court of Verfailles is in the utmost embarrassiment-fo much so, that the most pressing folicitations of the dutchess, in favour of the duke of Orleans, have been refused: and fo jealous and apprehensive of a revolt is the minister, that he has convinced the king, that it would be dangerous to confide the army on the frontiers to the prince of Conde: confequently another arrangement must be made.

It is now under the contemplation of government, we are well informed, to repeal or regulate the penal flatutes of this country still in force against the catholics, in order to restore them from alienism, and give them the rights and privileges of free born Englishmen, in conformity to what has been done, and is still doing, through Europe, in favour of general toleration.

On very respectable authority we have reason to believe, that the emperor has it in contemplation to give up the low countries to France, in return for her neutrality in the prefent war. It is certain that the emperor wishes to get rid of the Austrian Netherlands, if he could obtain an equivalent. They fret him, because he cannot govern there, as absolutely as in his hereditary dominions; and having now lost their confidence, they will be continually throwing difficulties in his way, starting obstacles, and remonstrating perpetually; this he cannot bear, being impatient of contradiction.

The Ruffians are faid to have applied to the Dutch for transports, and to have been refused by them.

Our last letters from the continent advise, that orders had just been issued for all English and French visitors

to quit the emperor's army.

A courier is arrived at Verfailles from Madrid. His dispatches contain a positive refusal from the king of Spain, to permit any Russian ship of war into the ports of his kingdom, with an assurance that if any of them remain in the Archipelago, he will declare war against the empress.

Whitehall, April 19.

Yesterday afternoon Francis James Jackson, esquire, arrived at the office of the marquis of Carmarthen, his majesty's principal secretary of state for foreign affairs, with the treaty of defensive alliance between his majesty and the states general of the united provinces, which was figned at the Hague on the 15th instant, by his excellency fir James Harris, knight of the Bath, his majesty's ambaffador extraordinary and plenipotentiary to their high mightinesses, and by the deputies of the states general duly authorised for that purpose.

The Turks have declared war

against Poland.

No day is yet appointed for taking into confideration the petitions against the slave trade: the Liverpool people have a committee now in town to conduct the contest on their The debates, it is supposed, will be rather animated and pathetic than effectual, as policy is the oppofing argument, which is the defendent of flavery both at home and abroad. The argument, however, may be briefly refolved into the plain question-Are any motives of policy sufficient to justify the purchase of our fellow creatures, and the use of them as flaves? when that is answered, the debate is at an end.

Such is the present posture of affairs, that we are considently assured ministry are under the greatest apprehensions that a war must inevitably take place in consequence of the Russian fleet passing into the Mediterranian. Dispatches have been sent to Madrid on this subject, and we may shortly expect to find that naval pre-

parations will be made.

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American Intelligence.

Charleston, May 31.

A correspondent informs us, that he has it from the best authority, that the people in the back parts of this state, are very anxious to get the machines for ginning, carding, and spinning cotton amongst them; they say that then the major part of those persons who are now employed in spinning of cotton, can be taught to weave it after it is fpun by the machines; and add, that it will take but few hands to gin, card and fpin the cotton with the machines, to what it does now by manual labour. He mentions also, that they are determined to raife raw filk, as they

fay it will not only command a good price, but will be attended with little trouble in bringing it to market, as is the case with bulky articles.

It is also said to be in contemplation to encourage the wearing of cotton velvet throughout the united states, in winter time, which is a stronger and warmer wear than broad cloth; this will encourage the raifing of cotton, and will enable the northern states to manufacture all our wool into coarse cloths, for the use of our flaves, &c. He adds, that if we wish to be a united people, the states must play into each others hands as much as possible, and do all they can to ferve each other, which will cement us together, so that we shall not be nominally but really a united people. It is not doubted but that France will manufacture cotton into velvet for the use of our inhabitants in winter, which will enrich us, and as we are in alliance with them, they, by strengthening and enriching us, will ferve themselves in an eminent degree.

Richmond, June 18.

A letter from a gentleman in Philadelphia, to his friend in this city, dated June 9, fays. " A few days fince, a gentleman arrived here from Spain, who is on his way to Kentucke at this time, for the purpose of procuring thirteen or fourteen thoufand hogsheads of tobacco, which he has contracted with the Spanish government to supply, and to be delivered at New Orleans. He brings information, that Spain is willing to cede to us the navigation of the Misfiffipi, fo foon as we shall have established a permanent government, to form a treaty with them."

Philadelphia, Jane 2. This day, the convention of Virginia meets.

The 23d, ult. the convention of

South-Carolina agreed to ratify the new federal conflitution. The votes, on putting the question, stood—

Yeas 149—Nays 73—maj. 76. A motion, made by general Sumter, to postpone the further consideration of the constitution, was rejected the 21st.—Yeas 89, Nays 135.

Some amendments to the conflitution were recommended by the above convention. [They shall appear in our next No.] The ratification of the constitution was celebrated in Charleston by a splendid procession.

The merchants of Baltimore, to express their veneration for his excellency general Washington, have presented him with the little ship sederalist, the same used in the late procession. Captain Barney has failed in her to Mount Vernon.

June 3. The legislature of Maryland has lately passed an act directing that certain species of convicts shall be employed in working on the roads; and another repealing the act for the relief of insolvent debtors.

June 4. By a letter from Baltimore we are informed that mr. Purviance, who was reported to have been killed by the favages, was met within fifty miles of Sandusky, with fourteen prisoners, all well.

Judge Symes has gone with fifty families and as many light horfe to begin a fettlement on the Ohio.

Advices from Rhode Island inform that the party there, in favour of federal measures, is gaining ground rapidly.

June 6. Edmond Pendleton, esq. is appointed president of the conven-

tion of Virginia.

The following article is copied from a London paper of the 26th March last: "By the latest accounts from the continent we learn, that the Indian confederacy, planned and fomented by mr. M'Gillivray, begins now to take effect, as most of the tribes on the frontiers, from Georgia

to the Ohio, are in motion in valid bodies, preparing to spread terror and desolation through the western fettlements of the united states of America.

On Saturday last, the synod of New York and Philadelphia broke up, after finishing their business. During their fession, they resolved themselves into four fynods, and one general affembly or council. The fynods are to meet annually in New York, Philadelphia, Virginia and in one of the Carolinas, from which places the fynods are to derive their names. The general affembly is to meet in Philadelphia. In the pastoral letter, agreed to by the reverend fynod, we hear they have strongly recommended the disuse of spiritous liquors—the abolition of negro flavery, with the instruction of the negroes in literature and religion-and. the decision of all disputes among the members of their communion by means of arbitration, after the manner of the primitive christians, and of the people called quakers. Should this practice become general among all fects of christians, how much time would be faved, that is spent in idleness, by plaintiffs, defendents, jurors and witnesses at courts—how much drinking and gaming would be prevented, which are practifed during the fession of courts-how much expence, ill-blood, malice, and even hereditary hatreds, would likewise be prevented by it-all of which are the usual consequences of law-suits. Who knows but the effects of this christian mode of arbitrating disputes, may spread from christians to public bodies, and that it may prove the means of teaching states and kings the folly and madness of settling their disputes by an appeal to arms? Greater revolutions in the opinions and conduct of men have often arisen from much smaller causes.

A letter from Virginia, dated

June 4, says, "I have just time to inform you, that the convention this day proceeded to business; and governor Randolph declared himself decidedly in favour of the adoption of the proposed constitution, under the present situation of the united states, which is effentially different from what it was at the time he represented this state in the federal convention .-The altonishment of the opposition was greatly excited at the warmth with which he concluded his speech, declaring, that before he would confent to the rejection of the proposed plan (which would necessarily involve in it the ruin of the union) he would chearfully agree to lose that hand which he then presented. The prospect is really pleasing: and the above circuinstance is almost a certain prelude of the adoption."

A letter from Pittsburgh, dated May 13, says, "the news of this country is confined to Indian affairs, and three-fourths of the accounts have very little truth in them. expected there will be a general attendance of the Indians at the treaty -at present there are no appearances of hostile intentions among the favages. Some boats were attacked in March last, about fix hundred miles down the Ohio; and fome people killed, and others taken; among the latter is mr. Purviance of Baltimore: from circumstances attending this matter, it is conjectured some white men were principal agents in the affair."

We learn, that no less than a thoufand bolls of duck, or fail cloth (which on the lowest calculation amount to thirty thousand yards) have been manufactured in Stratford in Connecticut, from the commencement of the present year to about the first of April. It is supposed, that by the end of the year, there will have been made in the various parts of the state, upwards of two millions of yards, of different qualities. A specimen of this manufacture has been inspected by an experienced sea captain, and pronounced equal, if not superior, to that imported from Russia.

June 10. Is is faid that an affray lately happened in the state of New York, owing to difference in fentimen: on the new constitution, A col.

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Hartshorne of Fishkill lost his life therein.

June 19. A committee of congress have reported that it is expedient that Kentucke be erected into an independent state. The report has been

agreed to by congress.

A letter from New York, dated June 10, says, "to-morrow is set apart, by the synod of the reformed Dutch churches, to be observed as a day of humiliation, fasting, and prayer. Among other things, it is pro-posed to intercede with Almighty God, that he would be pleased to inspire the members of our state convention, with wisdom from on high; that the decision of that important body may be fuch, as will perpetuate the civil and religious privileges of the citizens of these united states."

The porter made in this city, in the opinion of the best judges, is equal to the London porter imported into America. This porter fells for eight shillings and four pence, while the price of English porter is seventeen shillings and fix pence per dozen. Two hundred barrels of this porter were lately exported from this city in

one vessel.

A white glass manufactory has lately been set on foot in New Jersey, and the glass pronounced equal to the English white glass. It is sold cheaper

than the imported glass.

Should every inhabitant of the united states wear as much more of the manufactures of our country, than he used to do, as would amount to twenty shillings a year, it would fave three millions of pounds yearly to our country. A few pair of cotton or thread stockings, or of worsted ones, or a fingle coat, or a few cotton waillcoats, would make up this trifling faving to each individual. The aggregate fum would, in a few years, render America one of the richest countries in the world. It would build many hundred houses, establish and promote many useful manufactures, and clear and improve many thousand plantations, every year.

If, added to this faving in the articles that have been enumerated, every person, whose business frequently obliged him to ride on horseback, together with all the boys be-

tween five and fourteen years of age, and all the servants of the united states, wore leather breeches, manufactured in America, a fum not much less than a million per year would be

retained in our country.

The manufactures of America deserve serious attention. No man can doubt the propriety, and even the duty, of using those articles that can be nade here as low as they can be imported. Since the introduction of the carding and spinning machines, it is found that jeans can be made so as to undersell those imported from England, with the unavoidable charges of importation. Every public-spirited at the factory, where the fale is very rapid; and purchases have been made by every description of the citizens of Pennsylvania, by citizens of the adjanen states, and by some foreigners of distinction. Another article calls for the most serious attention of the friends of American manufactures, and of every frugal man-thread, cotton, and worsted hosiery. Several gentlemen have made a careful and impartial examination of the flockings manufactured in this city, in Germantown, in the town and county of Lancaster, Bethlehem, and Reading: and they find that the thread stockings made in Pennsylvania, and fold generally at a dollar per pair, are of the same fineness with imported stockings, which are fold at eight shillings and four pence and eight and fix pence. They also find that mixed stockings, of thread and cotton, made in Pennfylvania, are fold lower in proportion, compared with those of Great Britain. Besides this difference in price, it is a well known fact, that three pair of Pennsylvania-made stockings will wear longer than four pair of those imported. There are now about two hundred and fifty flocking looms in the different parts of the city and state, each of which makes, on a medium, one pair and a half of stockings every day. Thefe, deducting Sundays, will amount to 117,375 pair per annum, which, at feven shillings and fix pence a pair, are £ .44,015 12 6. The increase of wool and flax-the reduction of labour, provisions, and rents-the cultivation of cotton in the fou hern flates-and, above all, the use of ma-

chines to card, and spin, and twist cotton thread, will greatly promote this article, of which, at two pair to each person annually, the united states require a yearly supply of near fix millions of pairs-a capital domestic demand, certain, and stead ly increasing with our population. The charges on imported hofiery, under the general impost of five per cent. will be twenty three per cent. exclusive of any profit to the importer or retailer. Should the adoption of the general government tempt any, either Americans or foreigners, to push manufactures here, this branch promifes great profit, and will, no doubt, be among the first that will engage their attention.

The 17th inst. after an absence of nine years, arrived in Boston, from England, his excellency John Adams, esquire, late ambassador from the united states of America, to the court of Great Britain—with his lady.

A specimen of a piece of corduroy manufactured at Beverly, has been exhibited to the honourable legislature of Massachusetts. Its texture and colour are equal to any imported from Europe—and, we hear, it can be atforded by the manufacturers, at two thirds of a dollar per yard.

June 28. The 21st. instant the federal constitution was agreed to by the convention of New Hampshire. The votes were-Yeas, '57. Nays, 46:

June 30. Last Wednesday, the convention of Virginia ratissed the sederal constitution. Yeas 88-nays 78.

-----MARRIAGES.

In Philadelphia, mr. Benjamia Morris, to miss Strettle. Mr. Dani-el Depuy to miss Polly Meredith.—

DEATHS. At Burlington, William Pyne, esq. late of Exeter, in England. Mrs. Hefter Hopper.

In Philadelphia, mrs. Catharine Nichols, wife of William Nichols,

esquire. At Hollisson, A. Æ. 96, mr. Samuel Daniels, who has left a living progeny of above 100 persons. In London, the rev. Charles Wef-

ley, A. M. A. E. 81.
In Paris, April 13, the celebrated

count de Buffon.

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